U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

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DOT HS 807 427 **August 1985**

Final Report

Breed Air Bag Sled Testing Program Volume II

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Technical Report Documentation Page

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15. Supplementary Notes

16. Abstract

Sled tests were performed using a driver-only airbag system in conjunction with various belting systems to determine injury criteria using 5th, 50th, and 95th percentile dummies.

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Breed Airbag Sled Testing Program

RD 384-4

Volume II

Data Charts

15 - 28

TRC416P. RAD; 2
VRTC RD384-4-15 BREED AIRBAG SLED PROGRAM 1-MAY-85 15:04
85107 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HEDXG1	-117.356	@	96.125	145.085	@	151.250 msec	g	ALPF	1650/	5214/	-40
2	HEDXV1	-46.592	@	135.000	0.260	@	44.125 msec	mph	BLPF	300/	949/	-40
3	HEDXD1	-56.247	@	220.000	0.215	@	57.375 msec	in	BLPF	300/	949/	-40
4	HEDYG1	-13.892	@	97.875	17.649	@	151.125 msec	g	ALPF	1650/	5214/	-40
5	HEDZG1	-18.650	@	156.875	100.628	@	81.625 msec	g	ALPF	1650/	5214/	-40
6	CSTXG1	-60.068	@	71.625	11.110	@	178.875 msec	g	BLPF	300/	949/	-40
7	CSTXV1	-37.715	@	156.875	0.161	@	-6.750 msec	mph	BLPF	300/	949/	-40
8	CSTXD1	-60.529	@	220.000	0.165	@	30.375 msec	in	BLPF	300/	949/	-40
9	CSTYG1	-10.883	@	73.125	17.669	@	77.625 msec	g	BLPF	300/	949/	-40
10	CSTZG1	-12.579	@	91.750	12.914	@	158.000 msec	g	BLPF	300/	949/	-40
11	PEVXG1	-37.276	@	92.750	10.296	@	133.375 msec	g	BLPF	300/	949/	-40
12	PEVXV1	-24.503	@	116.500	-0.185	@	1.250 msec	mph	BLPF	300/	949/	-40
13	PEVXD1	-36.603	@	220.000	-0.109	@	-20.000 msec	in	BLPF	300/	949/	-40
14	PEVYG1	-10.055	@	61.875	10.511	@	55.000 msec	g	BLPF	300/	949/	-40
15	PEVZG1	-33.775	@	82.750	7.809	@	156.750 msec	g	BLPF	300/	949/	-40
16	LFMF1	-314.106	@	52.875	182.217	@	63.625 msec	lb	BLPF	1000/	3162/	-40
17	RFMF1	-244.018	@	60.250	106.478	@	68.875 msec	lb	BLPF	1000/	3162/	-40
18	EVENT	0.000	@	78.250	1.570	@	-18.000 msec	volt	ALPF	1650/	5214/	-40
19	SLDXV	-33.048	@	119.625	0.152	@	-4.250 msec	mph	ALPF	100/	316/	-40
20	SLDXG	-24.202	@	56.250	0.554	@	139.750 msec	g	BLPF	100/	316/	-40
21	SLDXVI	-33.801	@	115.375	0.029	@	-20.000 msec	mph	BLPF	300/	949/	-40
22	SLDXD	-64.966	@	220.000	0.019	@	-3.375 msec	in	BLPF	300/	949/	-40
23	LPBXG	-22.844	@	56.125	0.773	@	176.000 msec	g	BLPF	100/	316/	-40
24	LPBXV	-32.363	@	114.125	-0.586	@	-18.625 msec	mph	BLPF	300/	949/	-40
25	LPBXD	-62.961	@	220.000	-0.306	@	-20.000 msec	in	BLPF	300/	949/	-40
26	LPBYG	-3.936	@	59.625	2.213	@	63.625 msec	g	BLPF	100/	316/	-40
27	LPBZG	-1.311	@	110.250	1.564	@	67.500 msec	g	BLPF	100/	316/	-40
28	ABT3	-0.006	@	0.125	2.044	@	25.125 msec	volt	ALPF	1650/	5214/	-40
29	ABT4	-5.348	@	132.625	6.032	@	96.125 msec	volt	ALPF	1650/	5214/	-40

TRC416RP. RAD; 1
VRTC RD384-4-15 BREED AIRBAG SLED PROGRAM 17-APR-85 16:25
85107 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HEDRG1	0.034	@	-2.375	160.835	@	151.125 msec	g	ALPF	1650/	5214/	-40
2	CSTRG1	0.030	@	-16.000	60.714	@	71.750 msec	g	BLPF	300/	949/	-40
3	PEVRG1	0.011	@	-9.625	42.289	@	92.750 msec	g	BLPF	300/	949/	-40
4	LPBRG	0.060	@	-7.500	22.859	@	56.125 msec	g	BLPF	100/	316/	-40

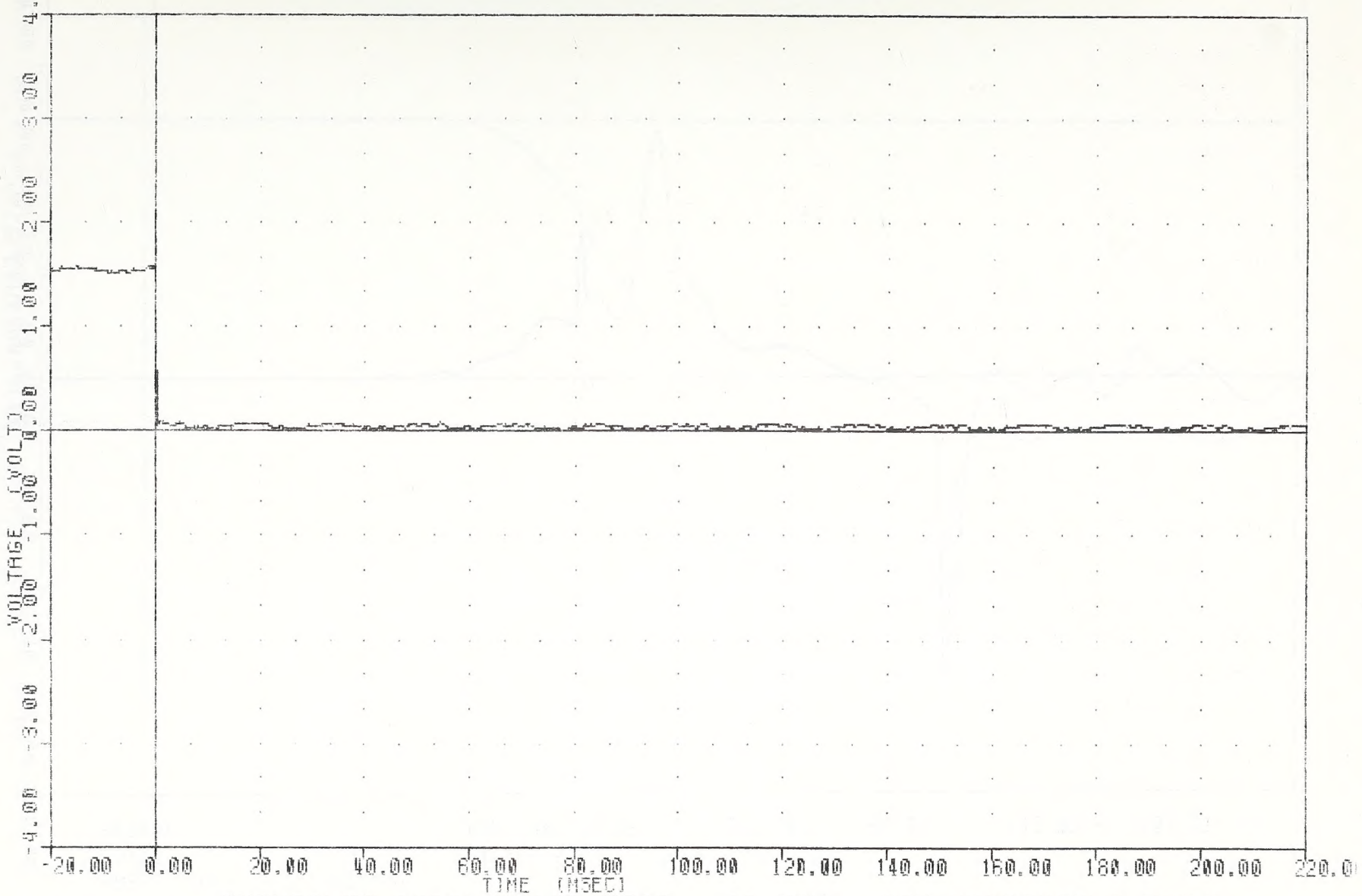
TRC416P2. RAD; 1
VRTC RD384-4-15 BREED AIRBAG SLED PROGRAM 17-APR-85 16:25
85107 30.00 mph

		Min value			Max value			Data Units	Filter			
1	SHBF1	-1.060	@	16.000	1923.820	@	82.625 msec	lb	BLPF	100/	316/	-40
2	LBOF1	-0.251	@	220.000	561.023	@	67.125 msec	lb	BLPF	100/	316/	-40

```
  R SYSP:HIC2

HIC1 -- Compute Head Injury Criterion from a single channel

Enter input filespec -->TRC416RP
File TRC416RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125
VRTC        RD384-4-15  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG
Enter channel [,stop time] -->HEDRG1


* * *   HIC computation for TRC416RP 17-APR-85 16:24:56

HEDRG1      VRTC        RD384-4-15  85107        BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 191.250 msec     Peak accel = 160.83 @ 151.125

HIC = 1634.82     Interval from  72.125 [ 738] to 103.250 [ 987]

HIC = 1047.17     Interval from  84.750 [ 839] to  99.750 [ 959]
```

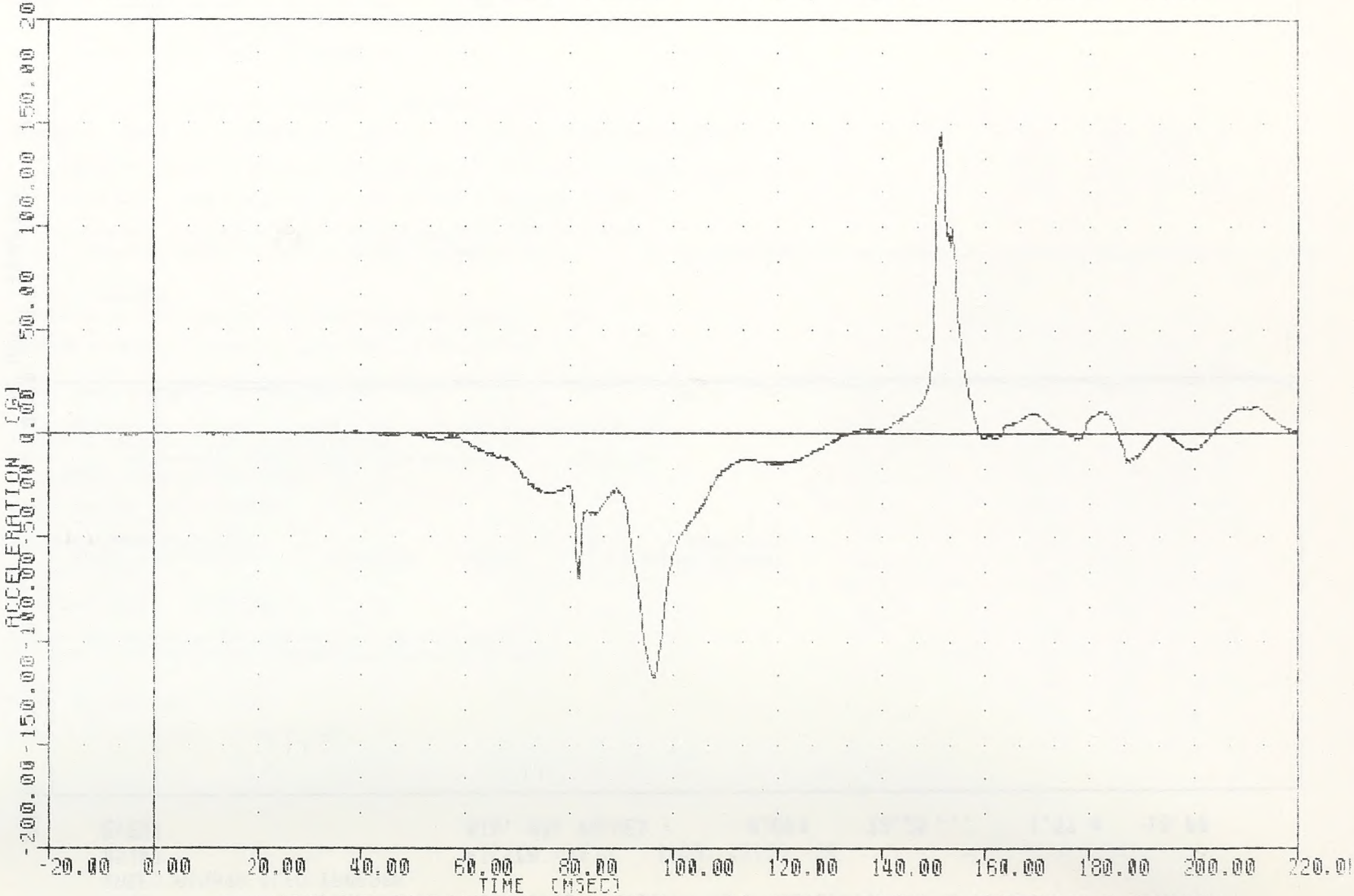
```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC416P\P\RP

File TRC416RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-15  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC416RP.RAD;1                              VRTC        RD384-4-15
BREED AIRBAG SLED PROGRAM        30.0 mph      85107         17-APR-85 16:23:41
Deltax: 0.125

3 MS CLIP PEAK:    57.52588

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT\TIXE
```

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = ALPF 1650/ 5214/ -40
EVENT MIN, MAX VALUES = 0.00@ 78.25 , 1.57 @ -18.00



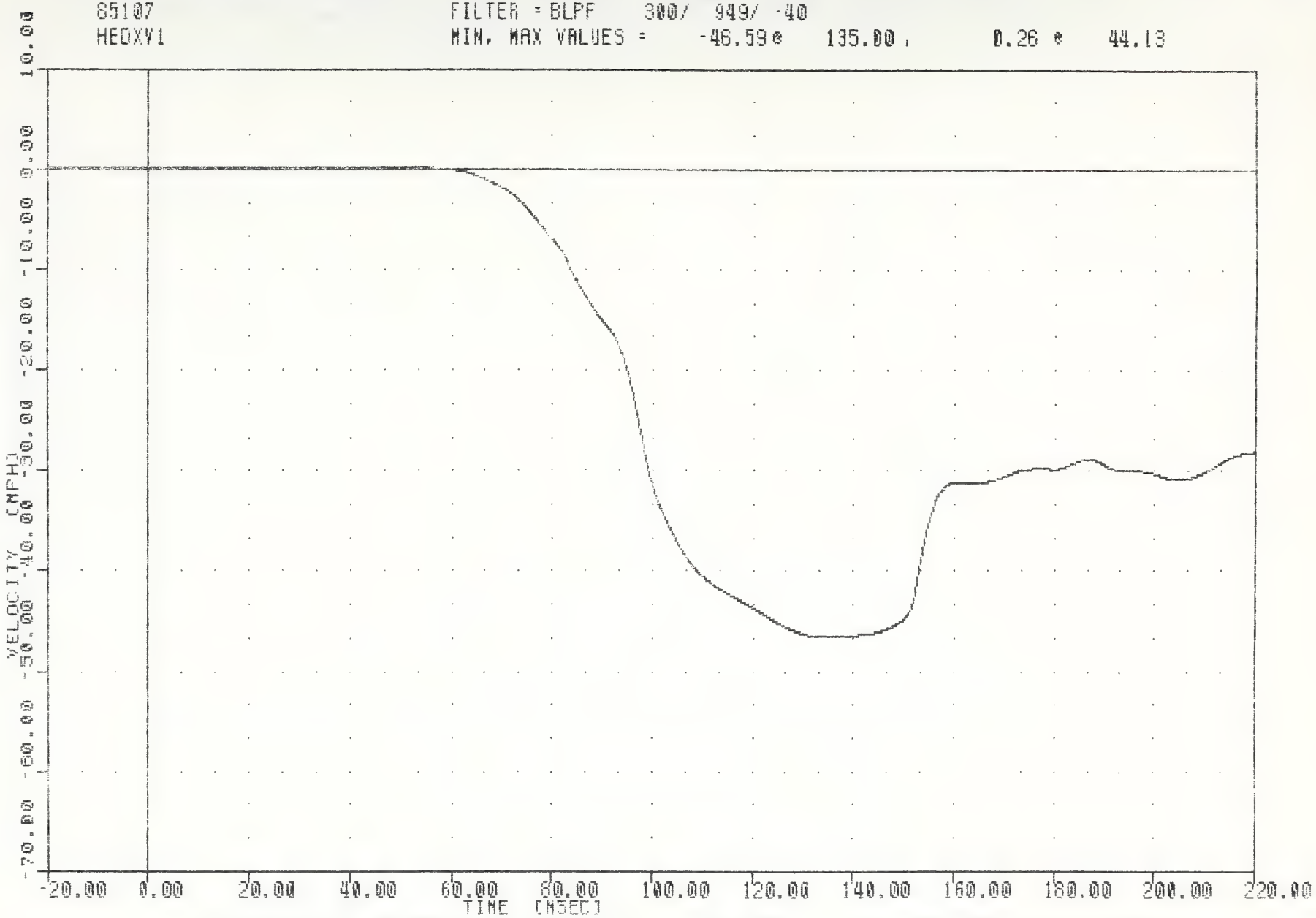
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
EVENT

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = ALPF 1650/ 5214/ -40
HEDXG1 MIN, MAX VALUES = -117.36@ 96.13 , 145.09 @ 151.25

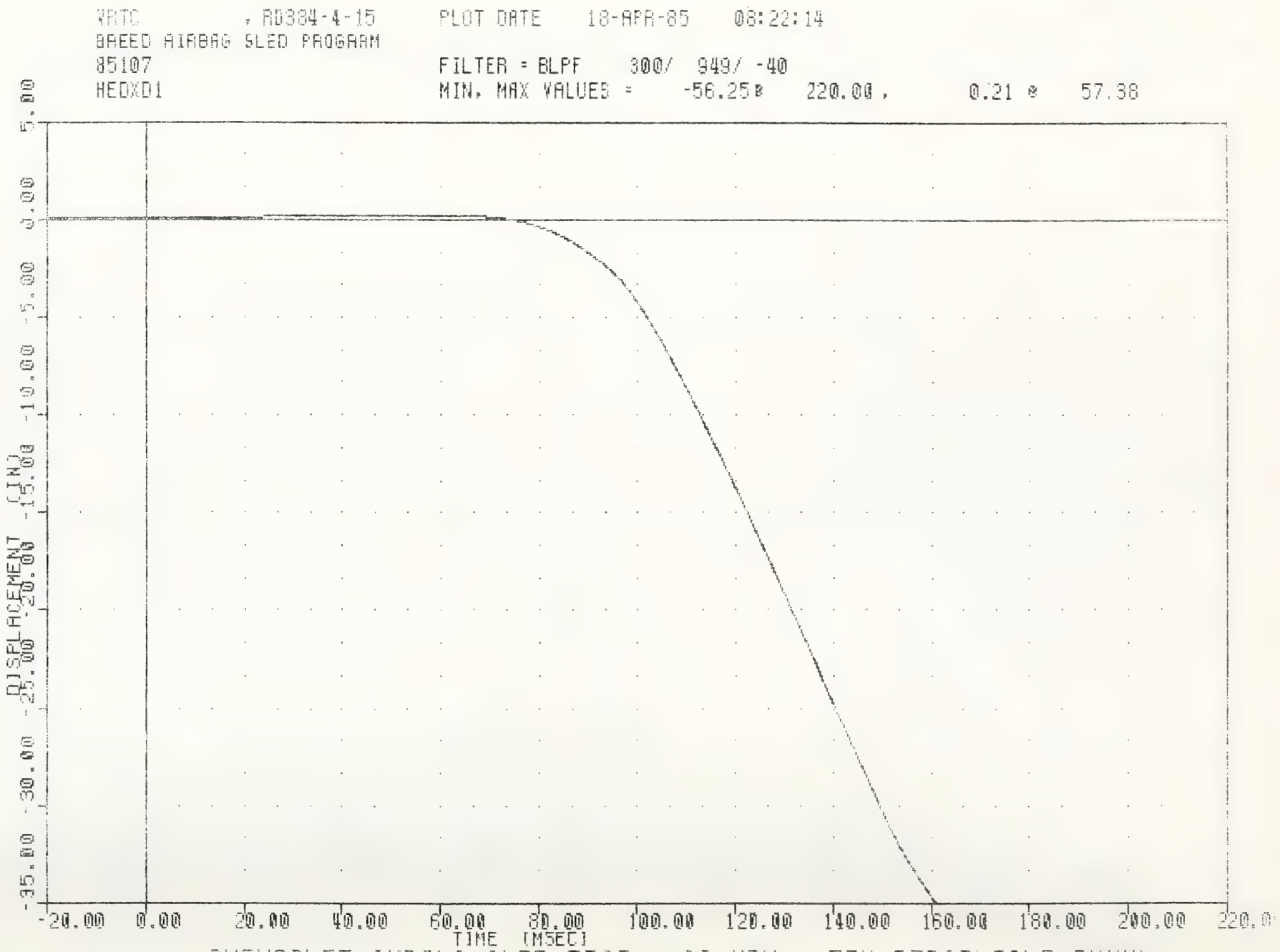


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
HEDXV1 MIN, MAX VALUES = -46.59 @ 135.00 , 0.26 @ 44.13



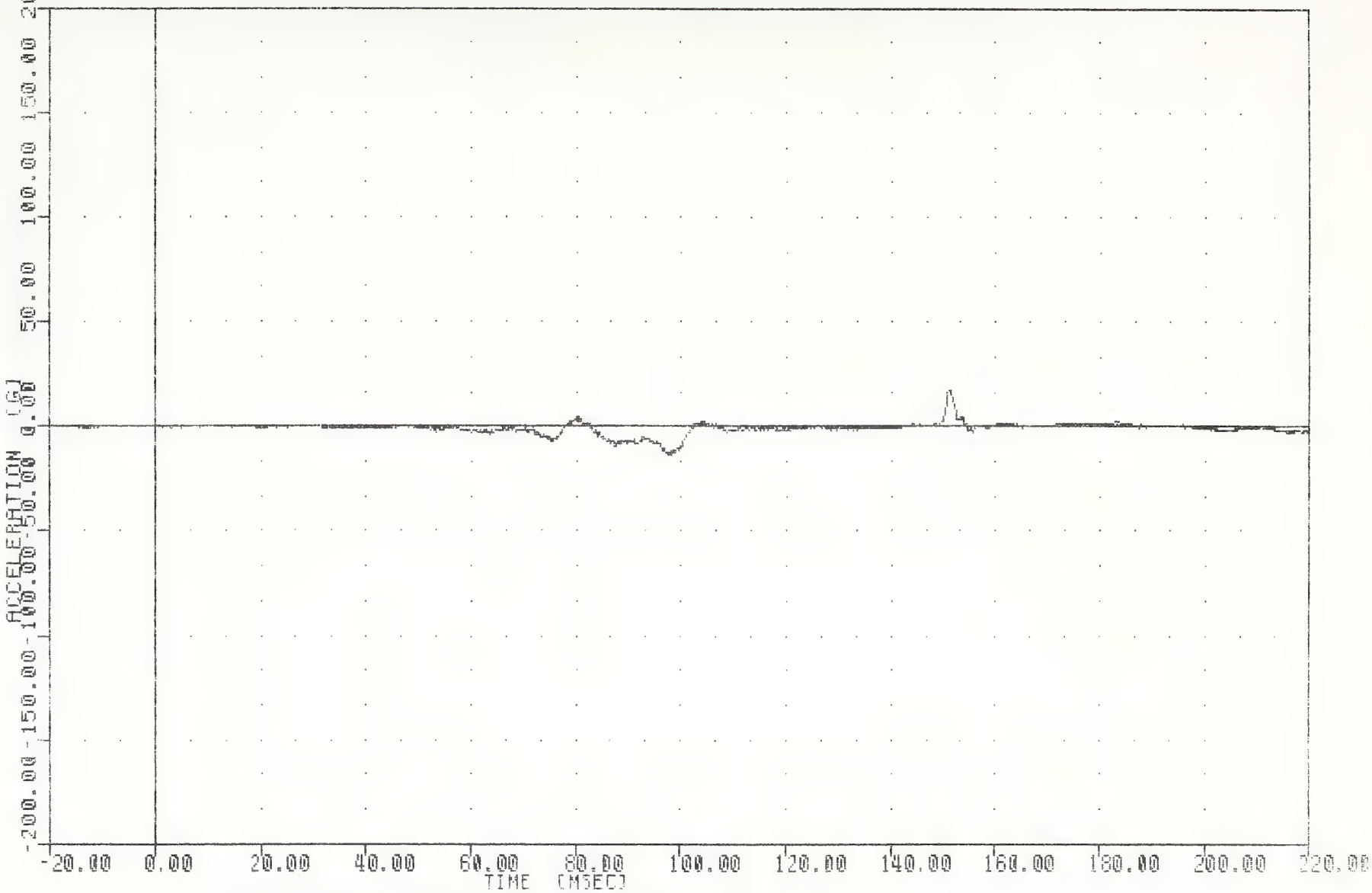
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING HEDXV1



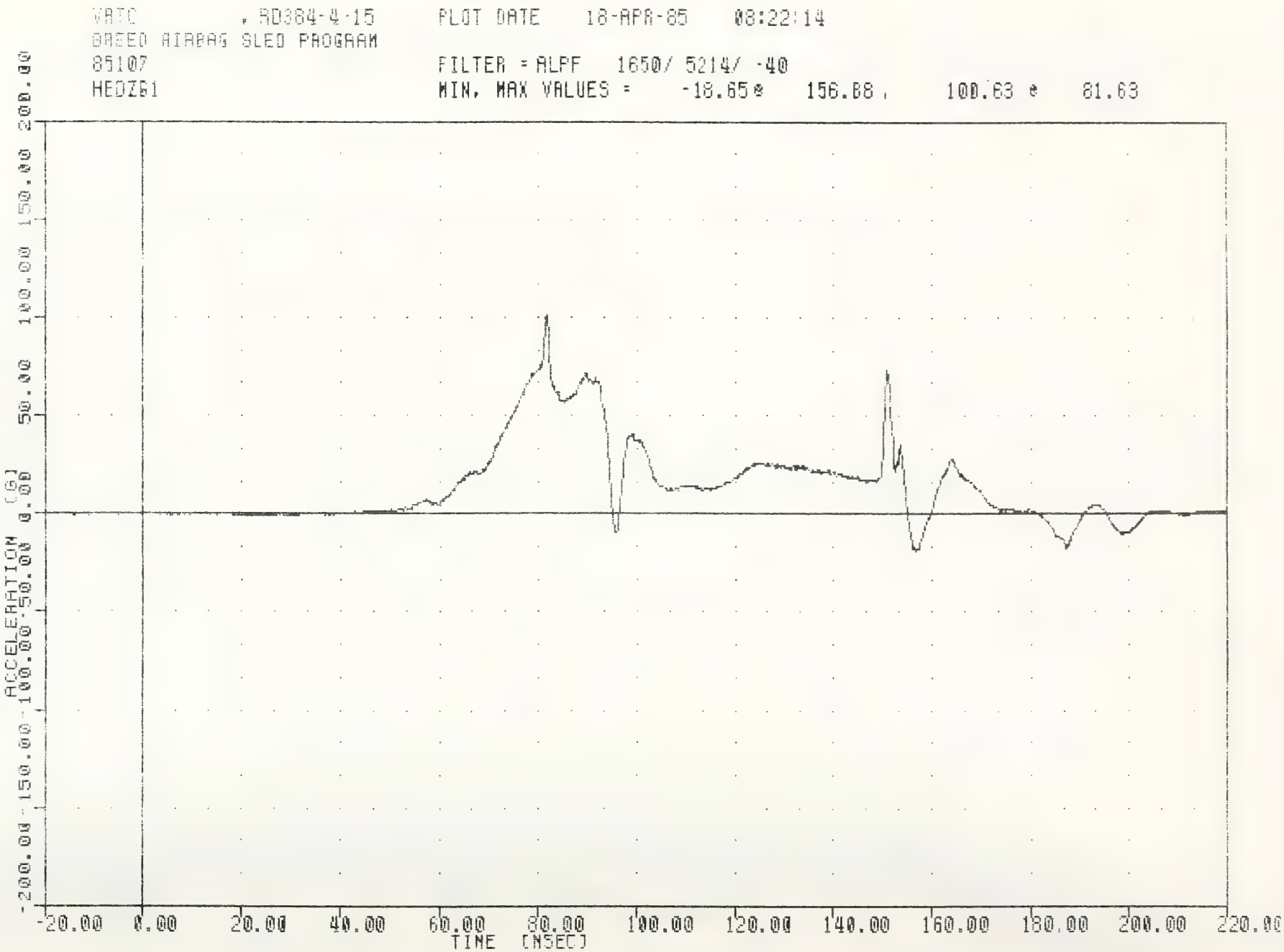
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY

DELTA - USING HEDXV1

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = ALPF 1650/ 5214/ -40
HEDYG1 MIN. MAX VALUES = -13.89@ 97.88 , 17.65 @ 151.13

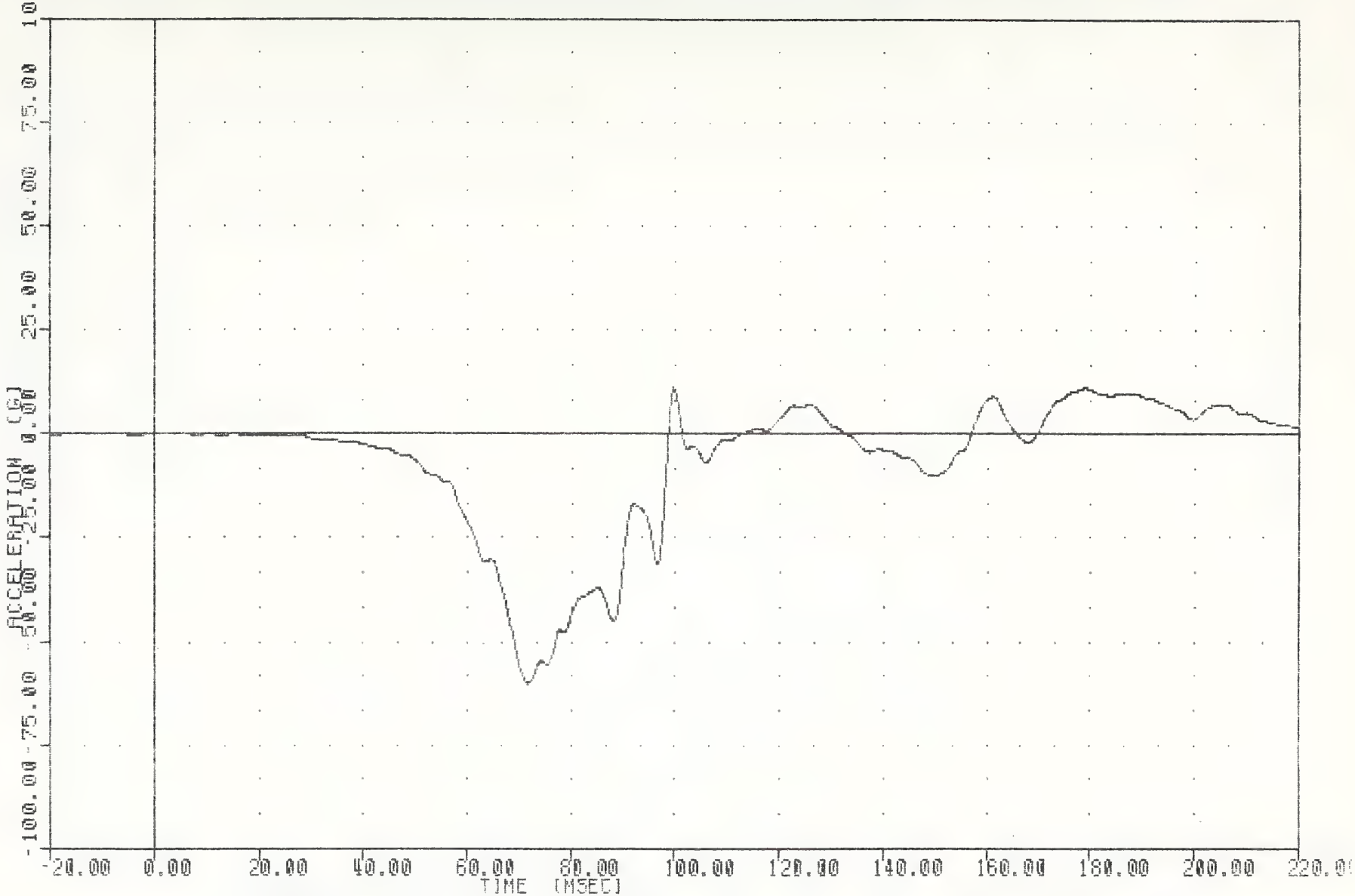


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS



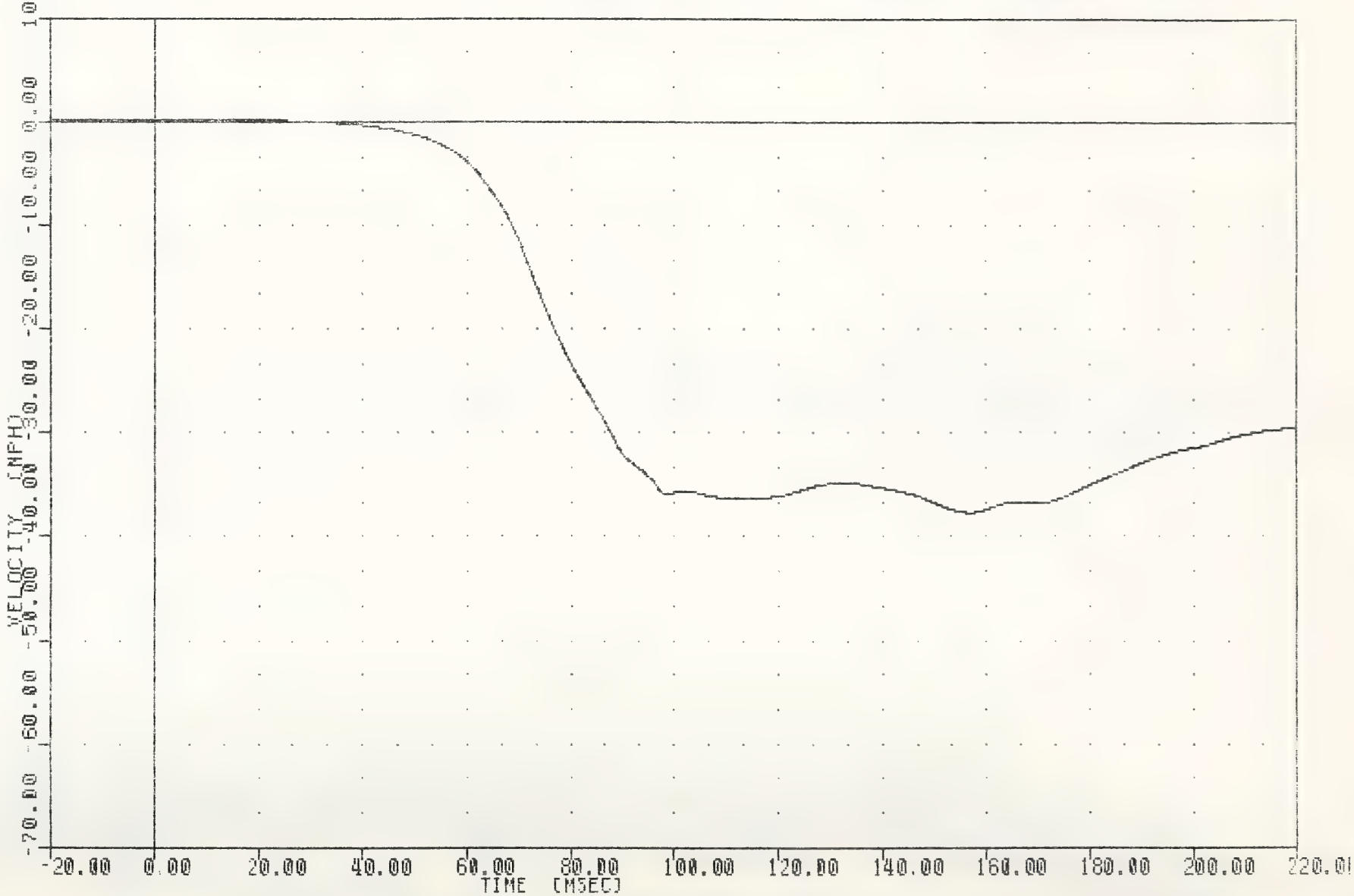
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , R0384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
CSTXG1 MIN, MAX VALUES = -60.07 @ 71.63 , 11.11 @ 178.88



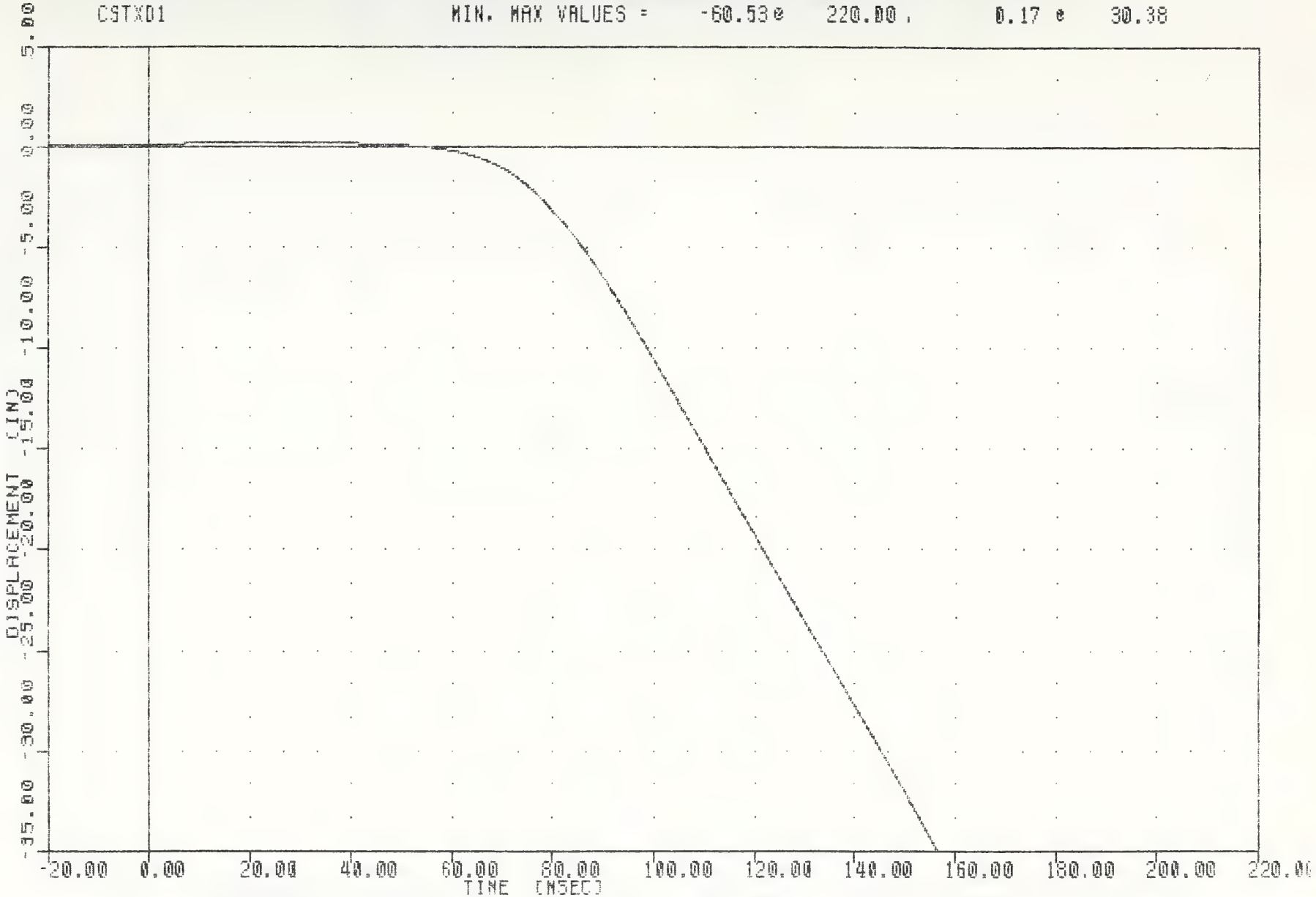
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
CSTXV1 MIN. MAX VALUES = -37.71@ 156.88 , 0.16 @ -6.75



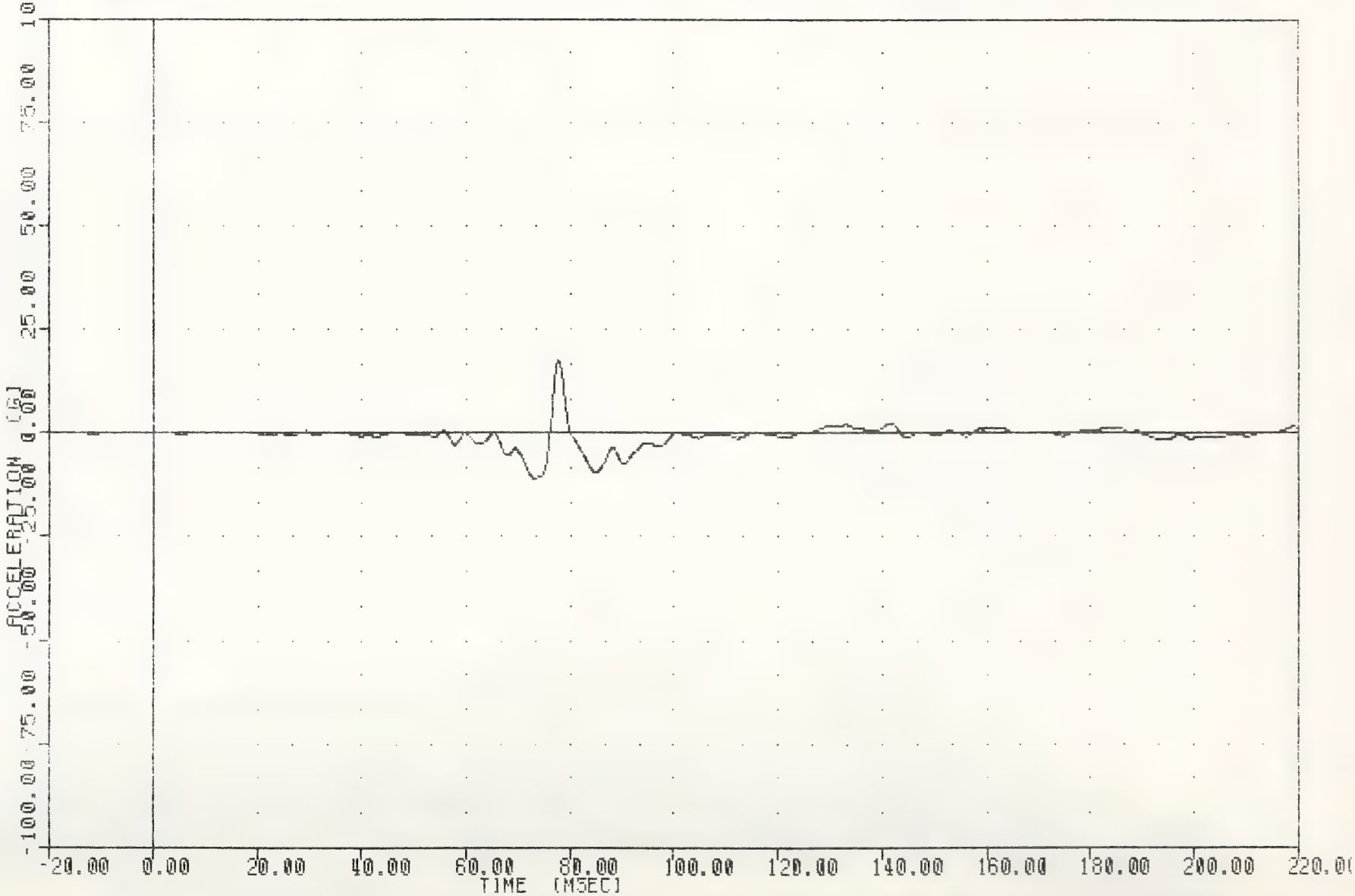
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING CSTXG1

WATC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN. MAX VALUES = -60.53 @ 220.00 , 0.17 @ 30.38



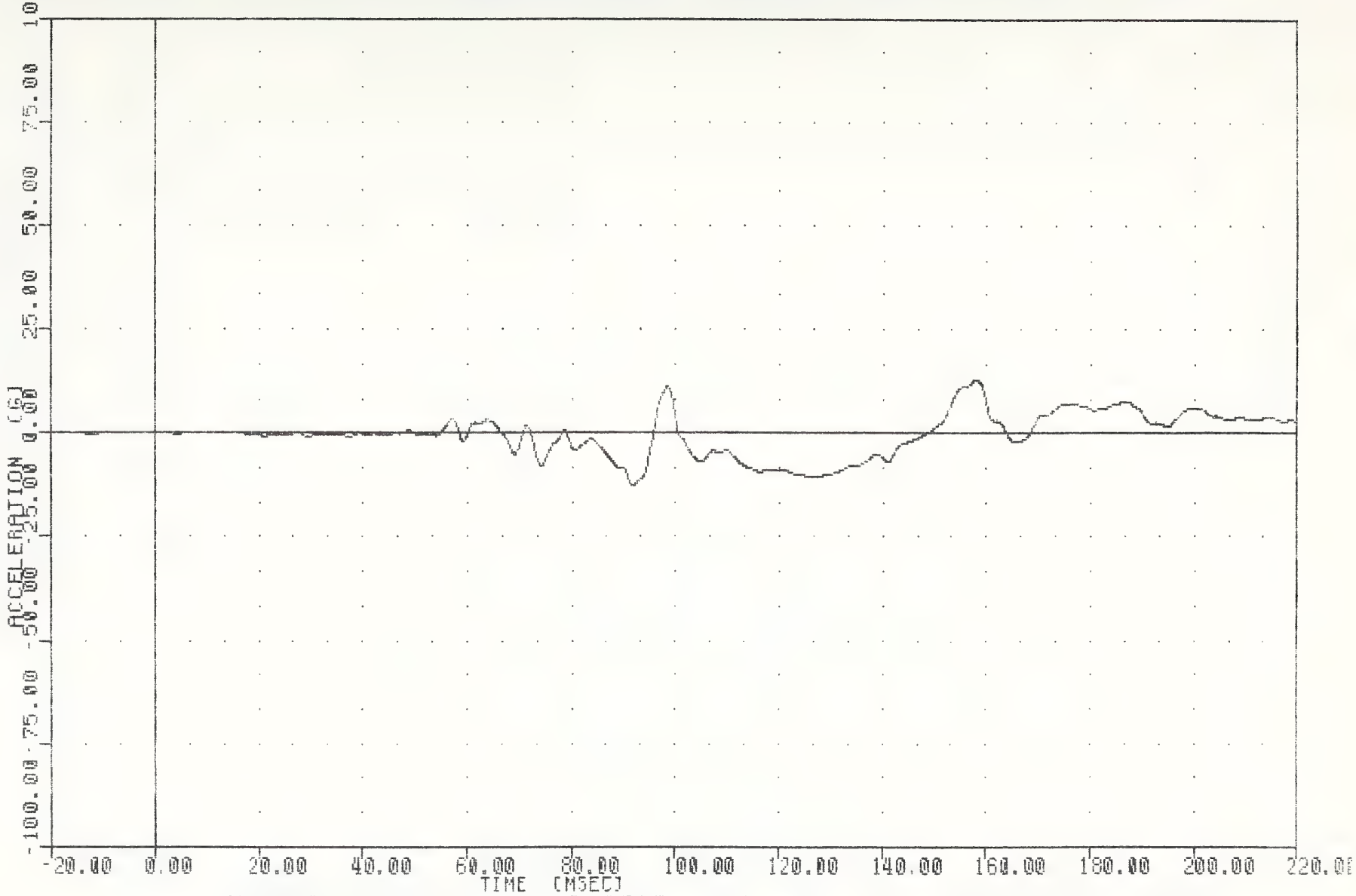
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTP Y USING CSTXV1

VRTC , R0384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
CSTYG1 MIN. MAX VALUES = -10.88 @ 73.13 , 17.67 @ 77.63

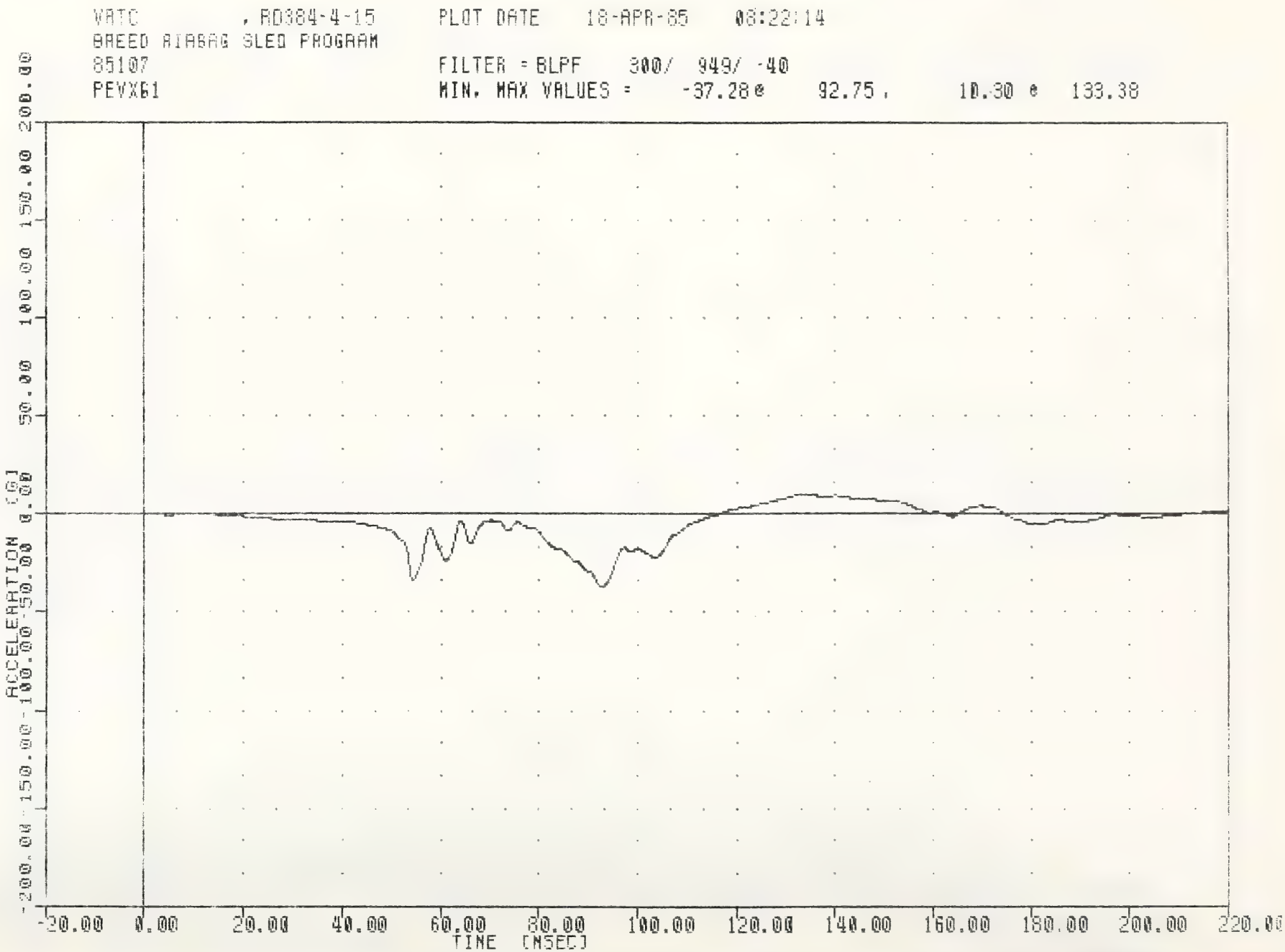


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
CSTZG1 MIN. MAX VALUES = -12.58@ 91.75 , 12.91 @ 158.00

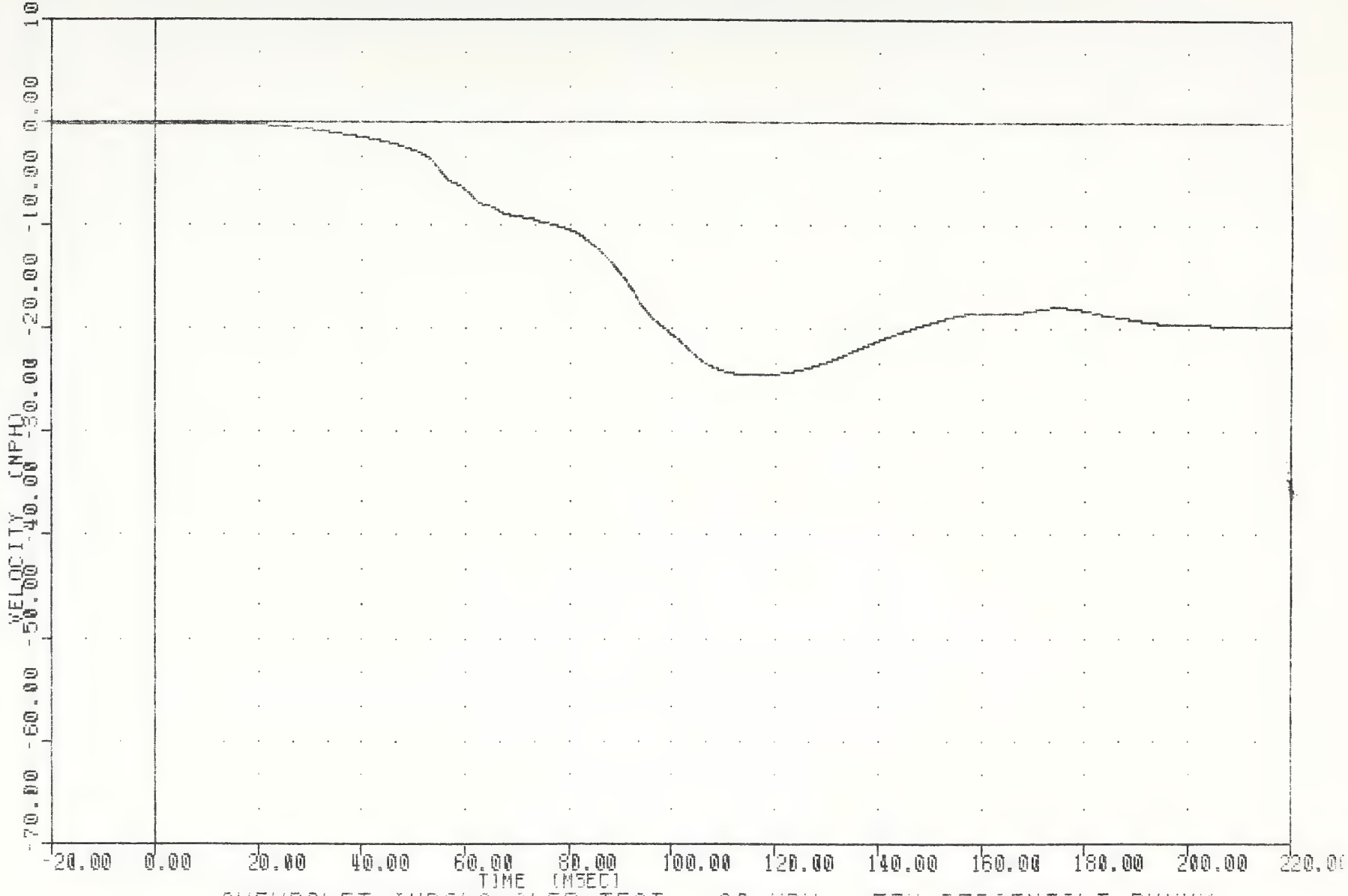


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS



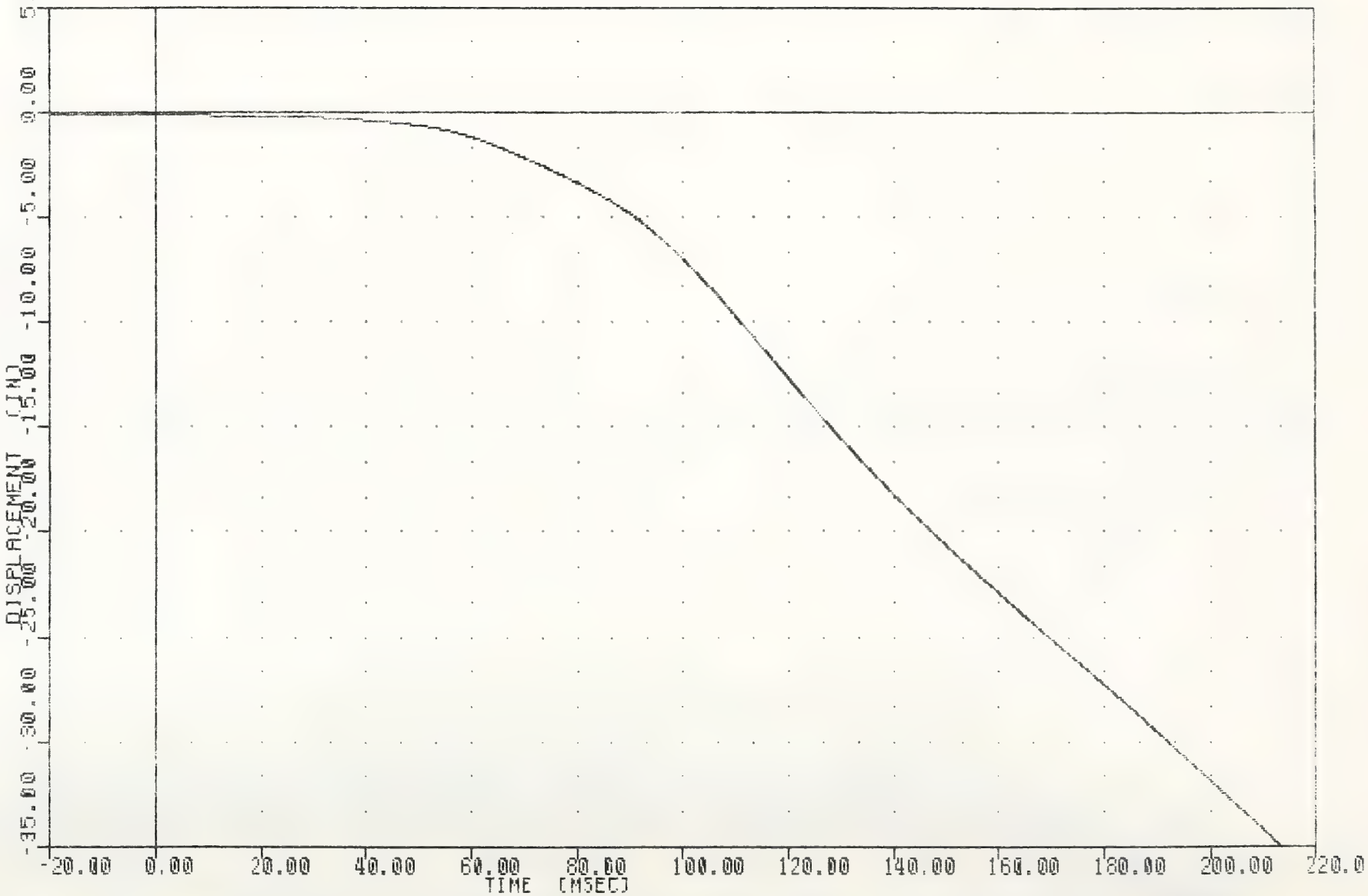
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , R0384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
PEVXV1 MIN. MAX VALUES = -24.50 @ 116.50 , -0.19 @ 1.25

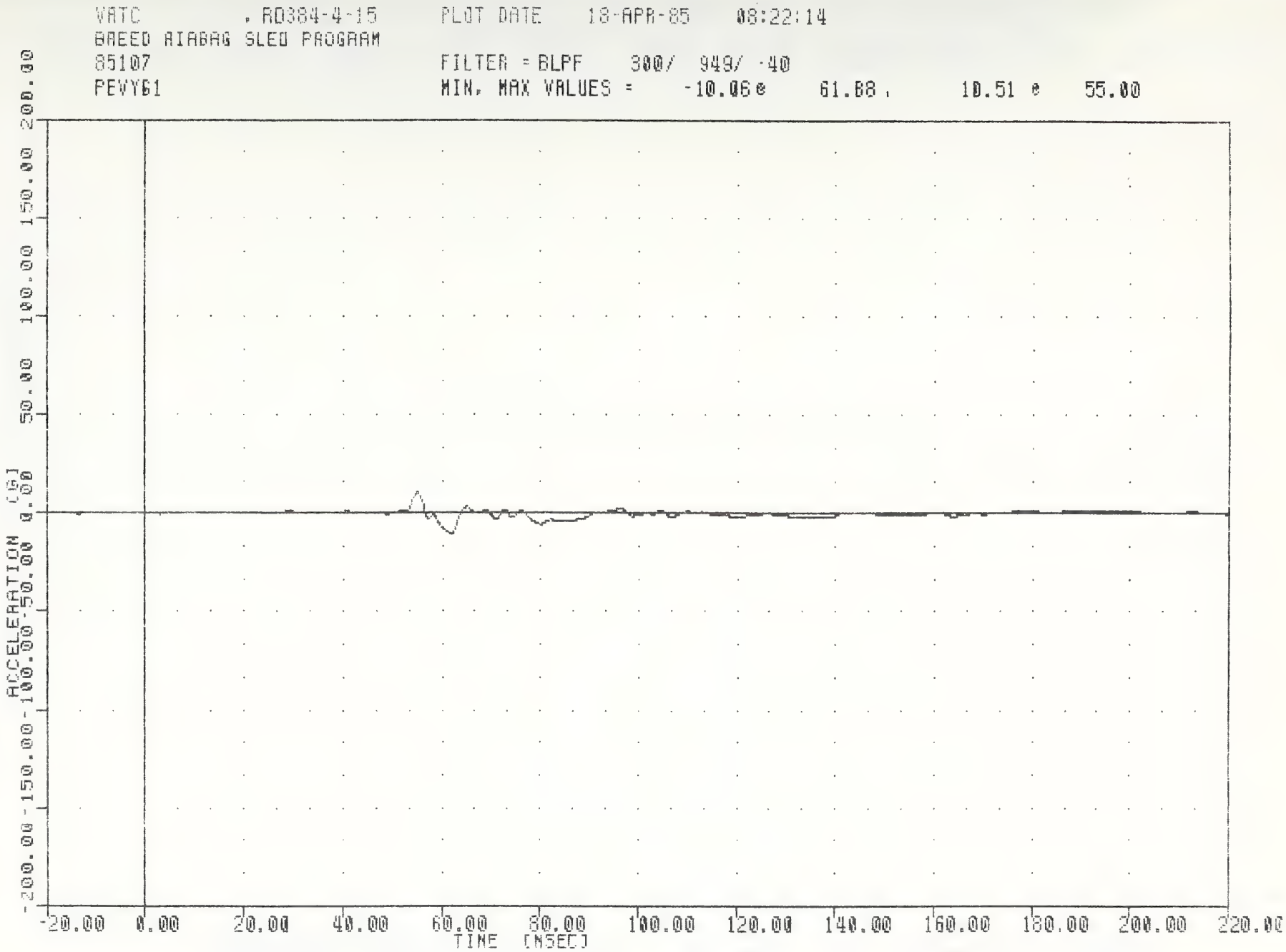


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
PEVXD1 MIN, MAX VALUES = -36.60 @ 220.00 , -0.11 @ -20.00

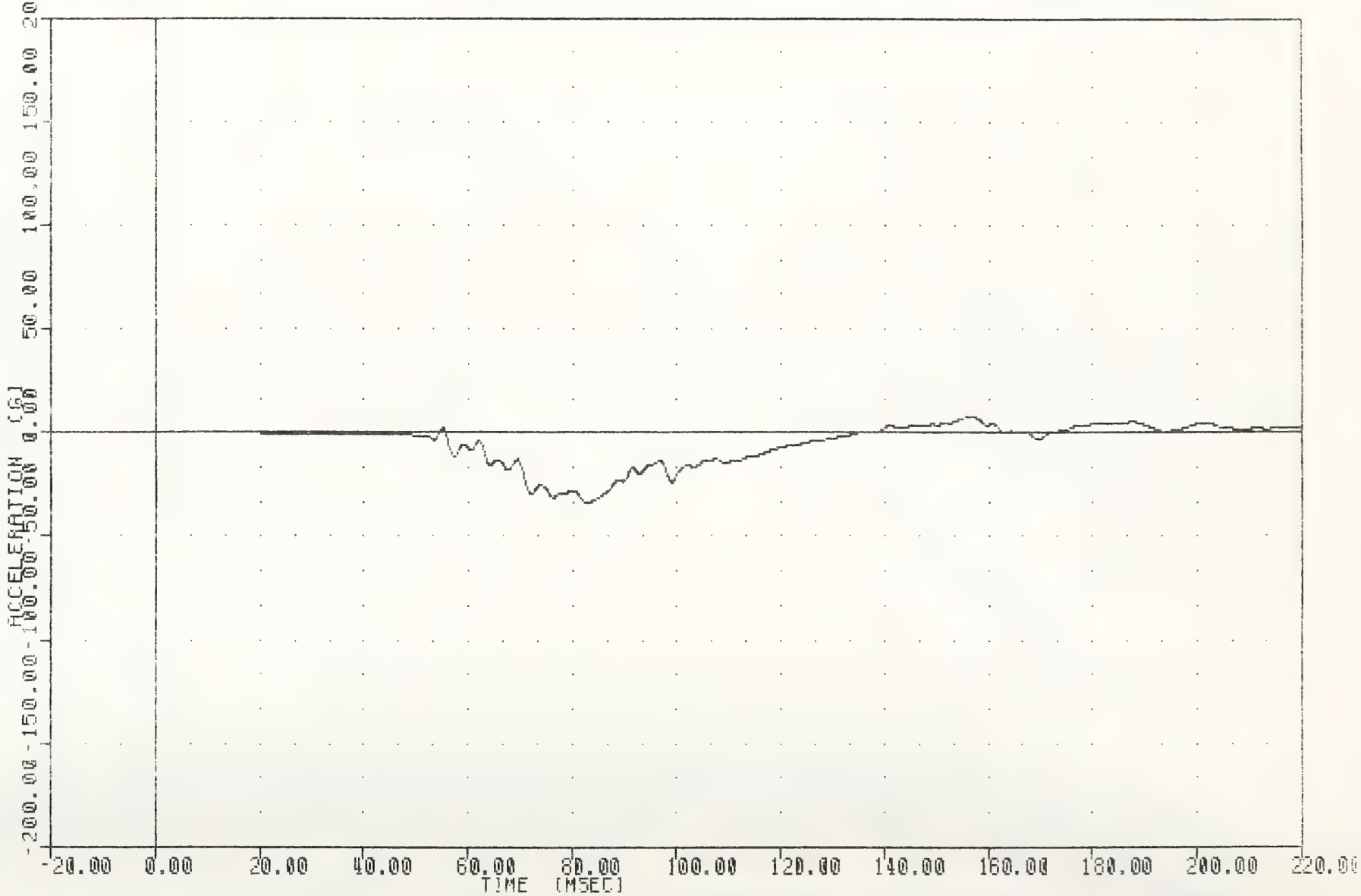


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING PEVXV1



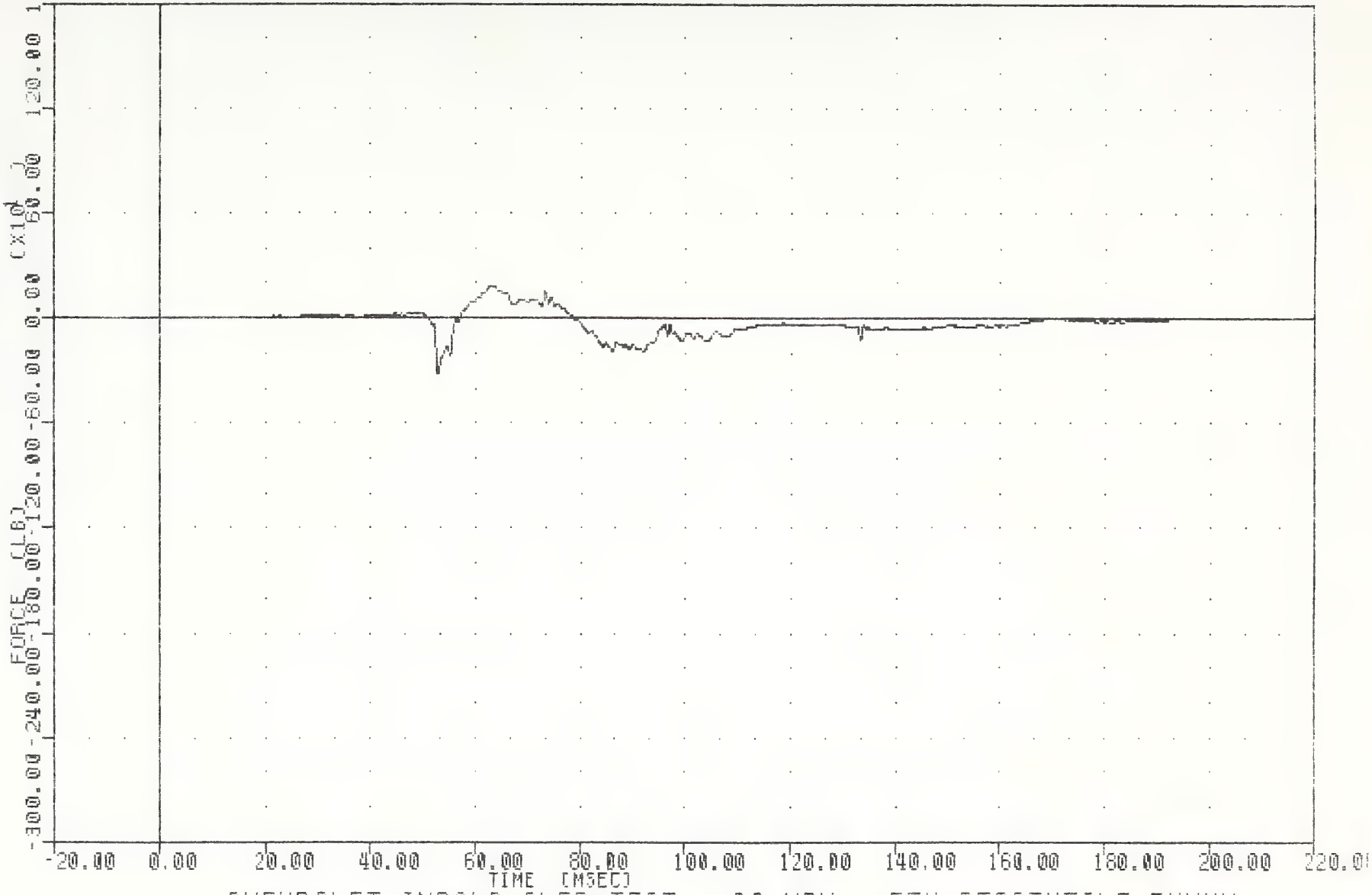
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC . RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
PEWZG1 MIN, MAX VALUES = -33.78 @ 82.75 , 7.81 @ 156.75

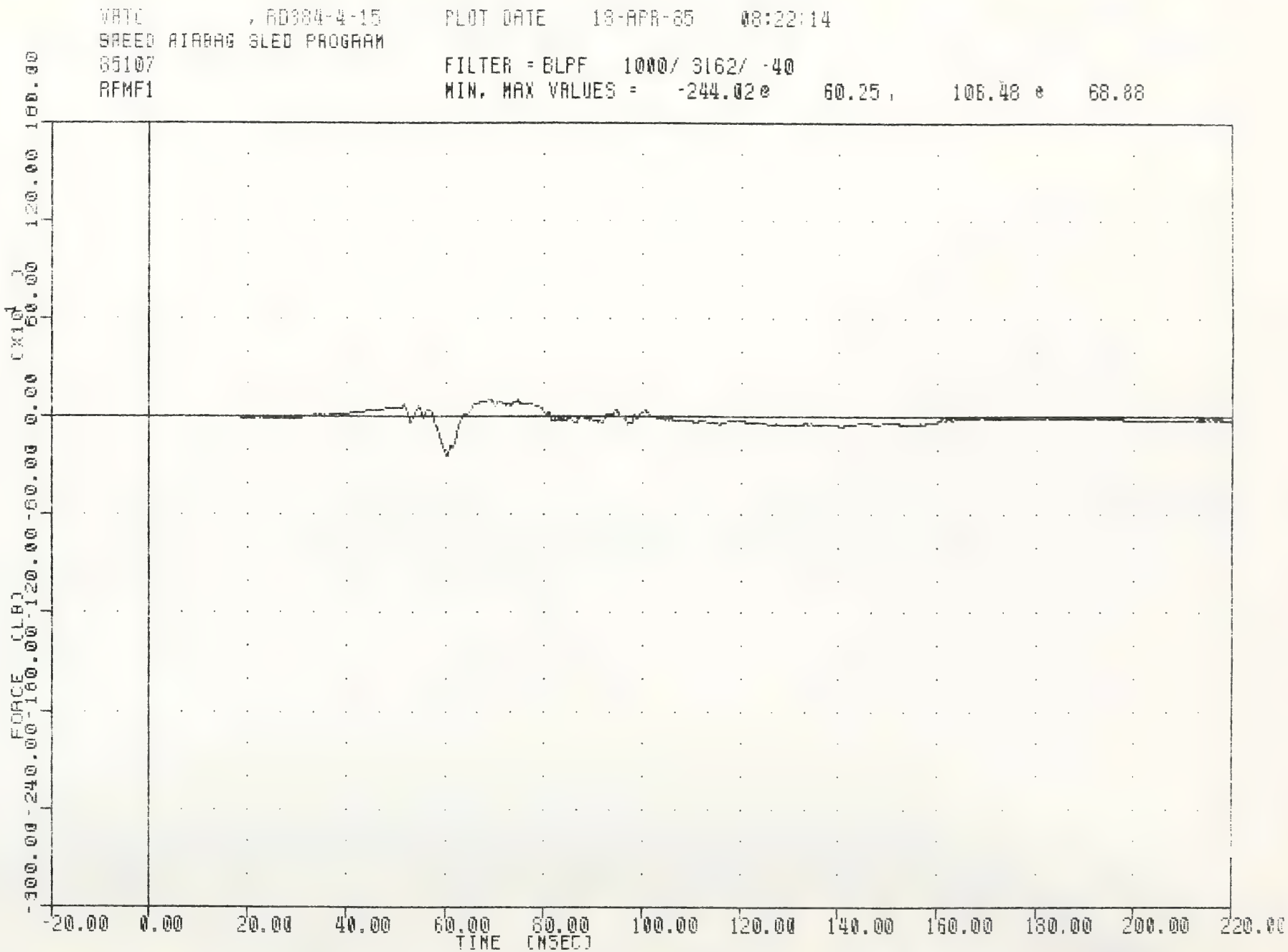


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

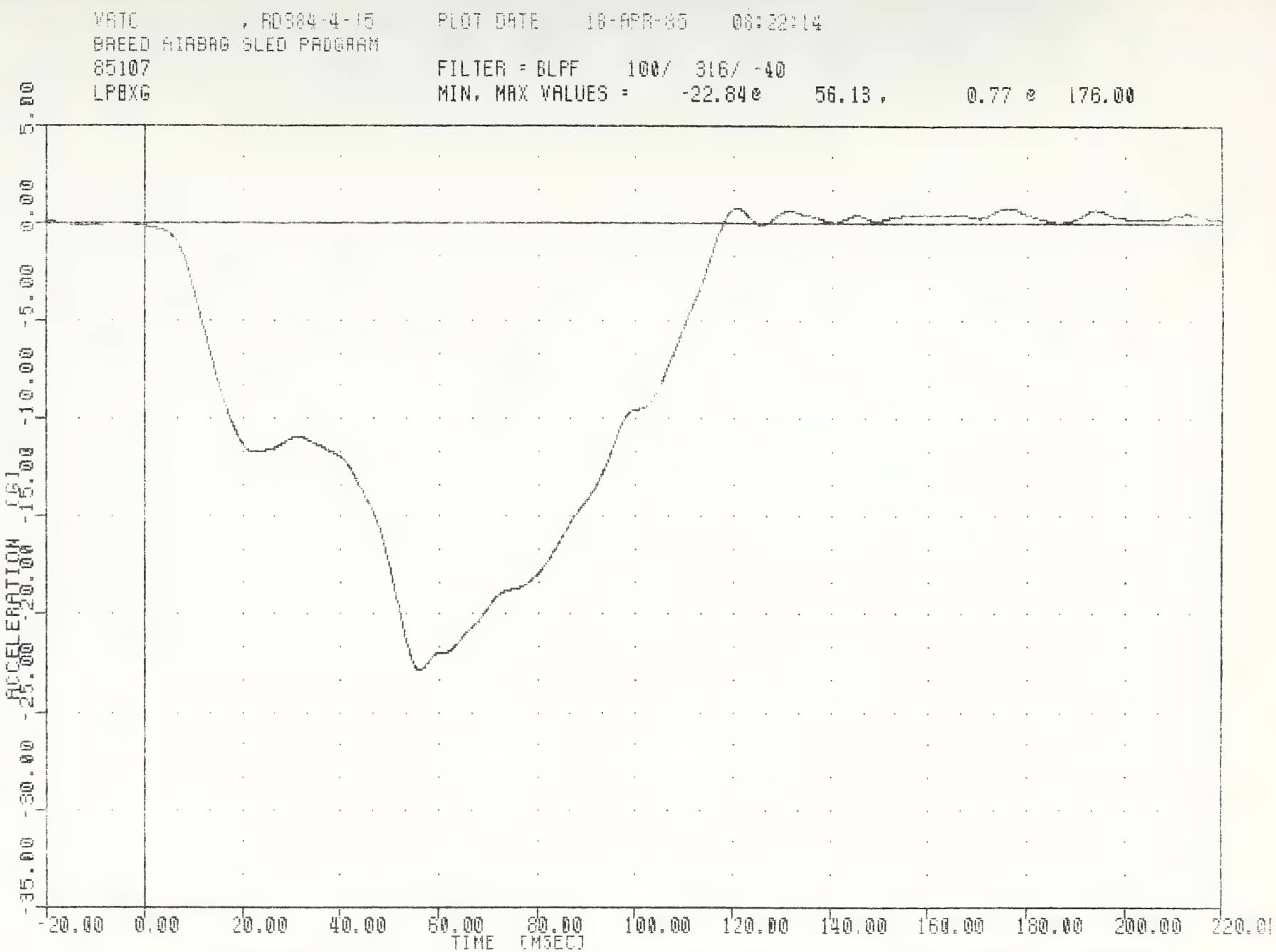
VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 1000/ 3162/ -40
LFNF1 MIN, MAX VALUES = -314.11@ 52.88 , 182.22 @ 63.63



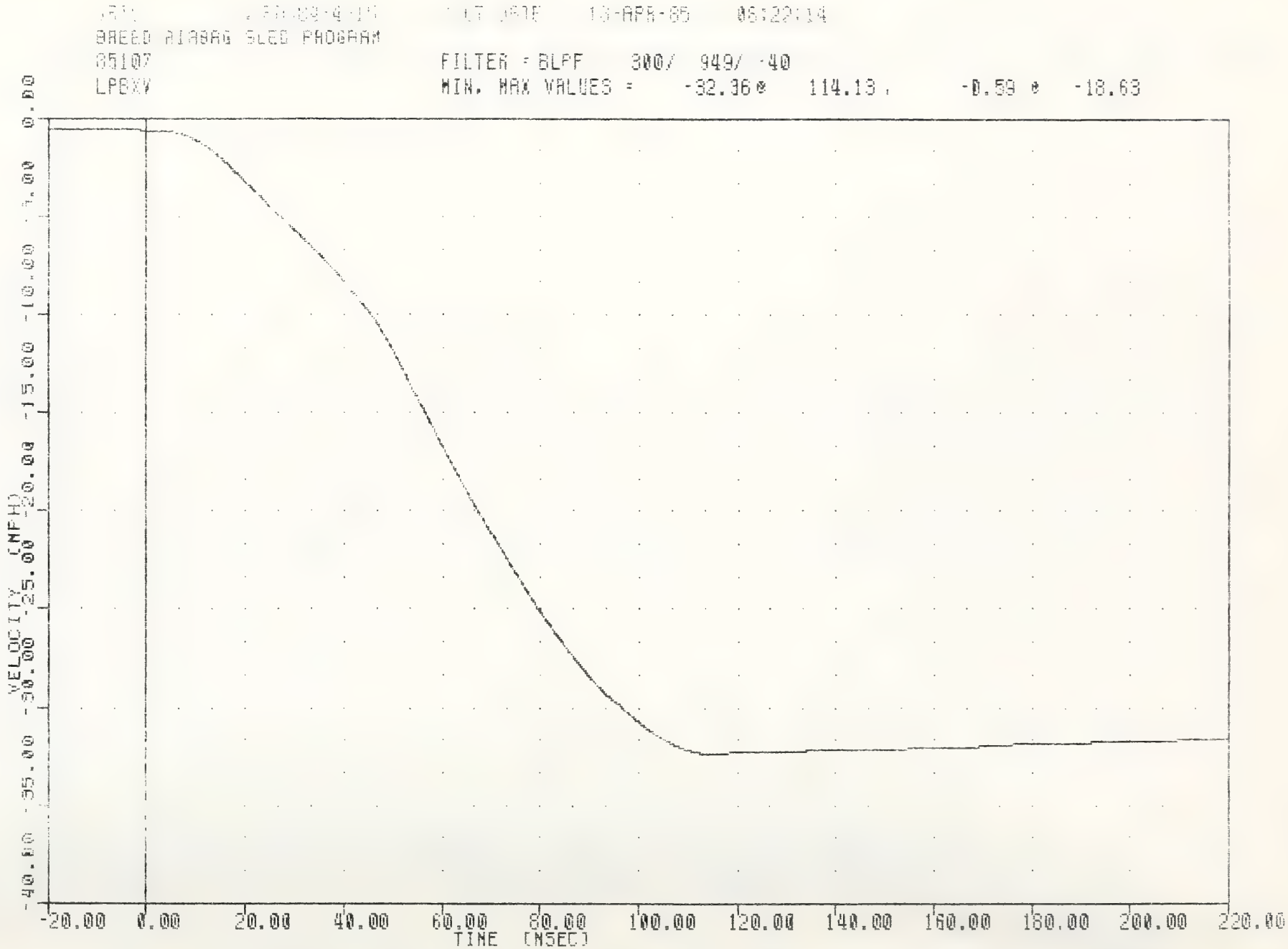
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

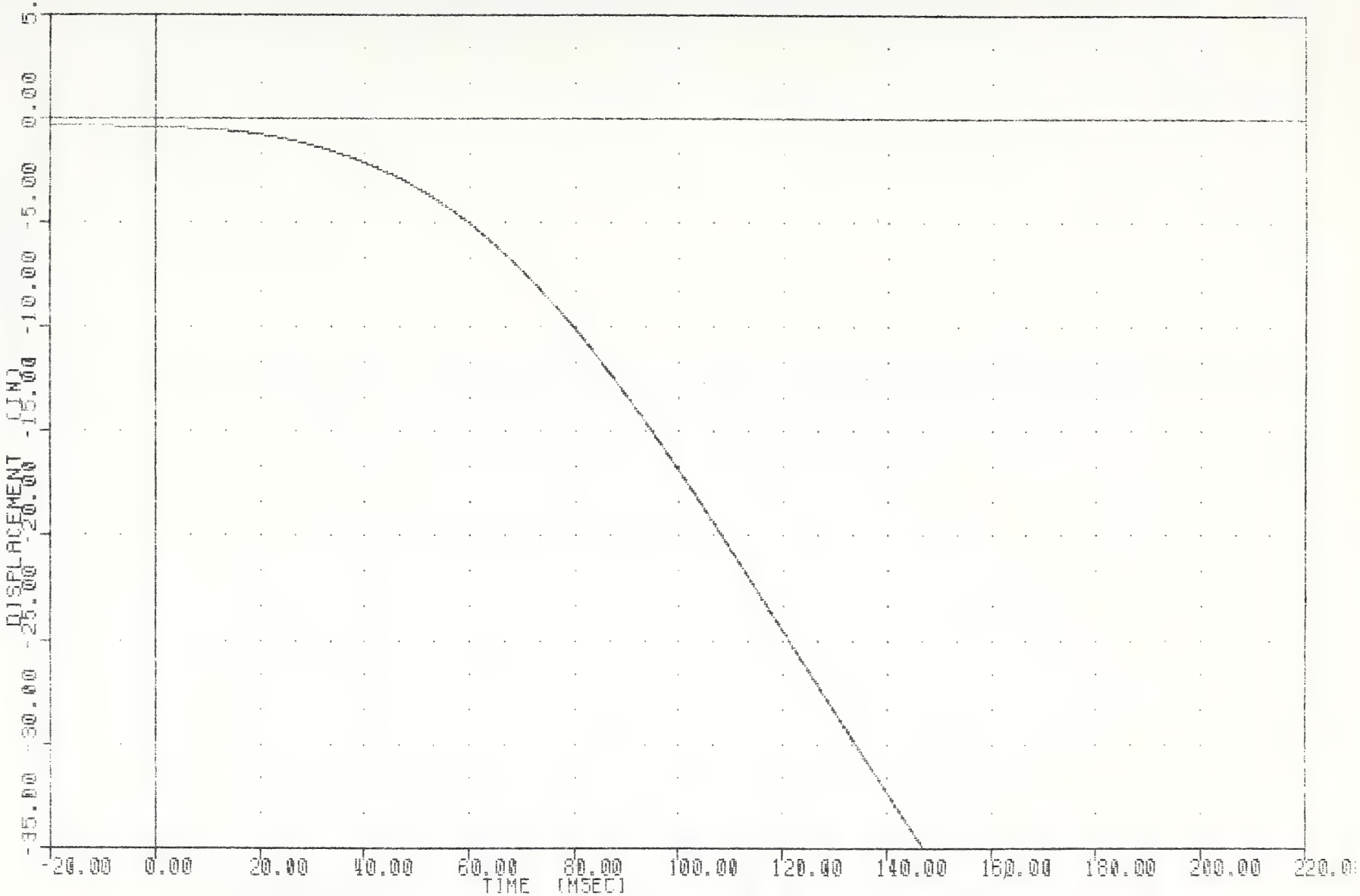


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

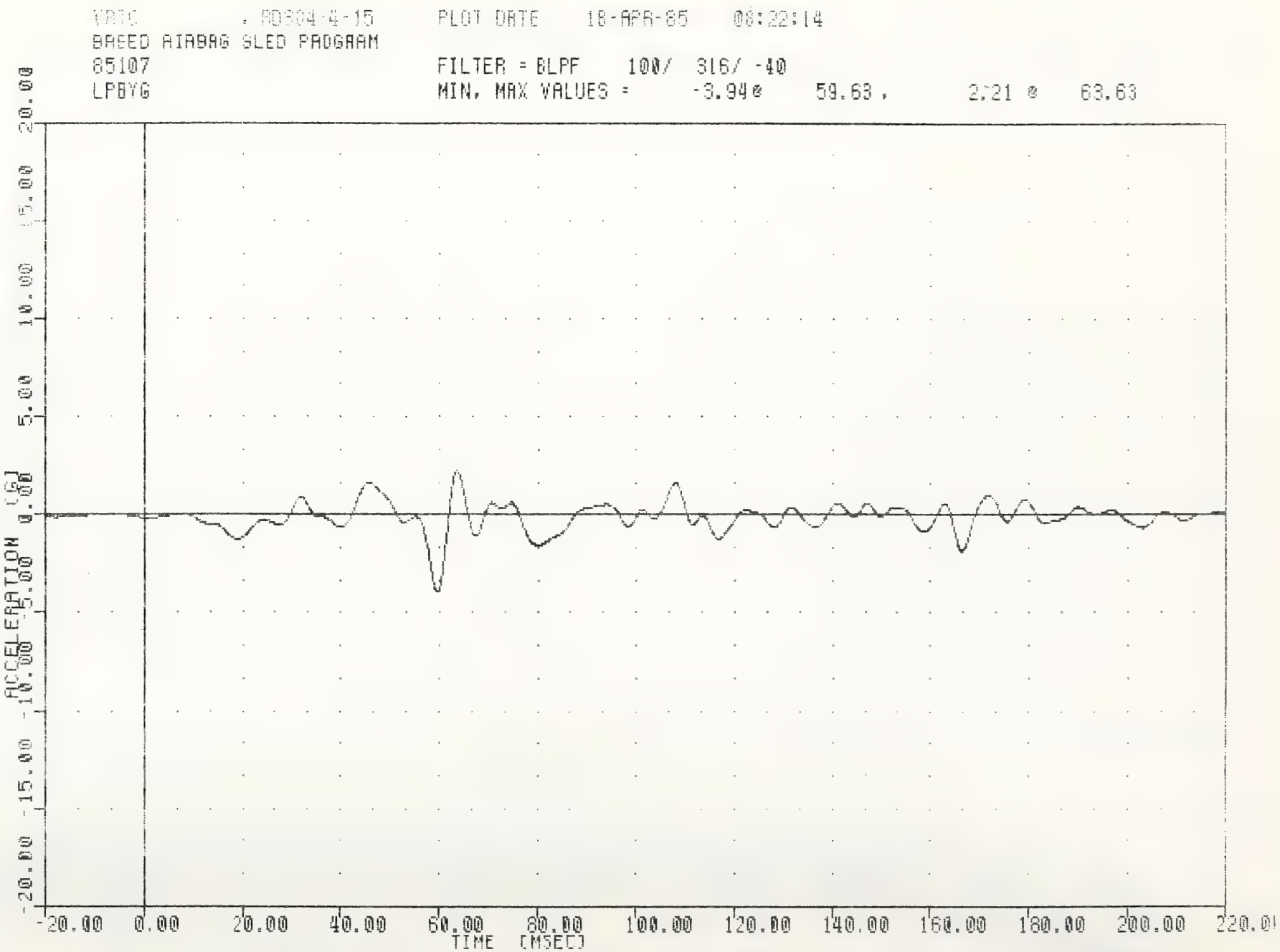


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC , RD364-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
LPBXD MIN, MAX VALUES = -62.96 @ 220.00 , -0.31 @ -20.00

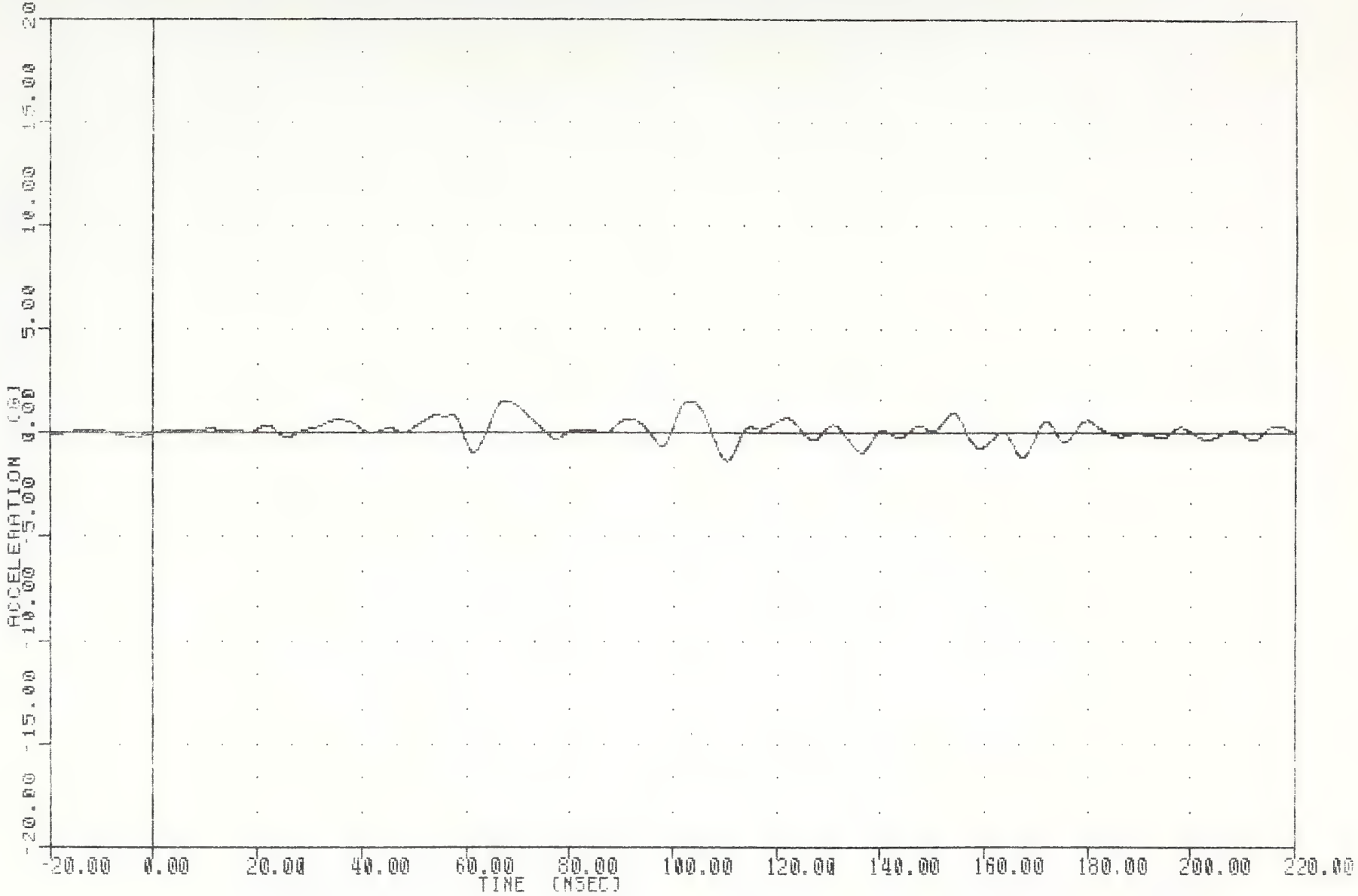


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING LPBXX

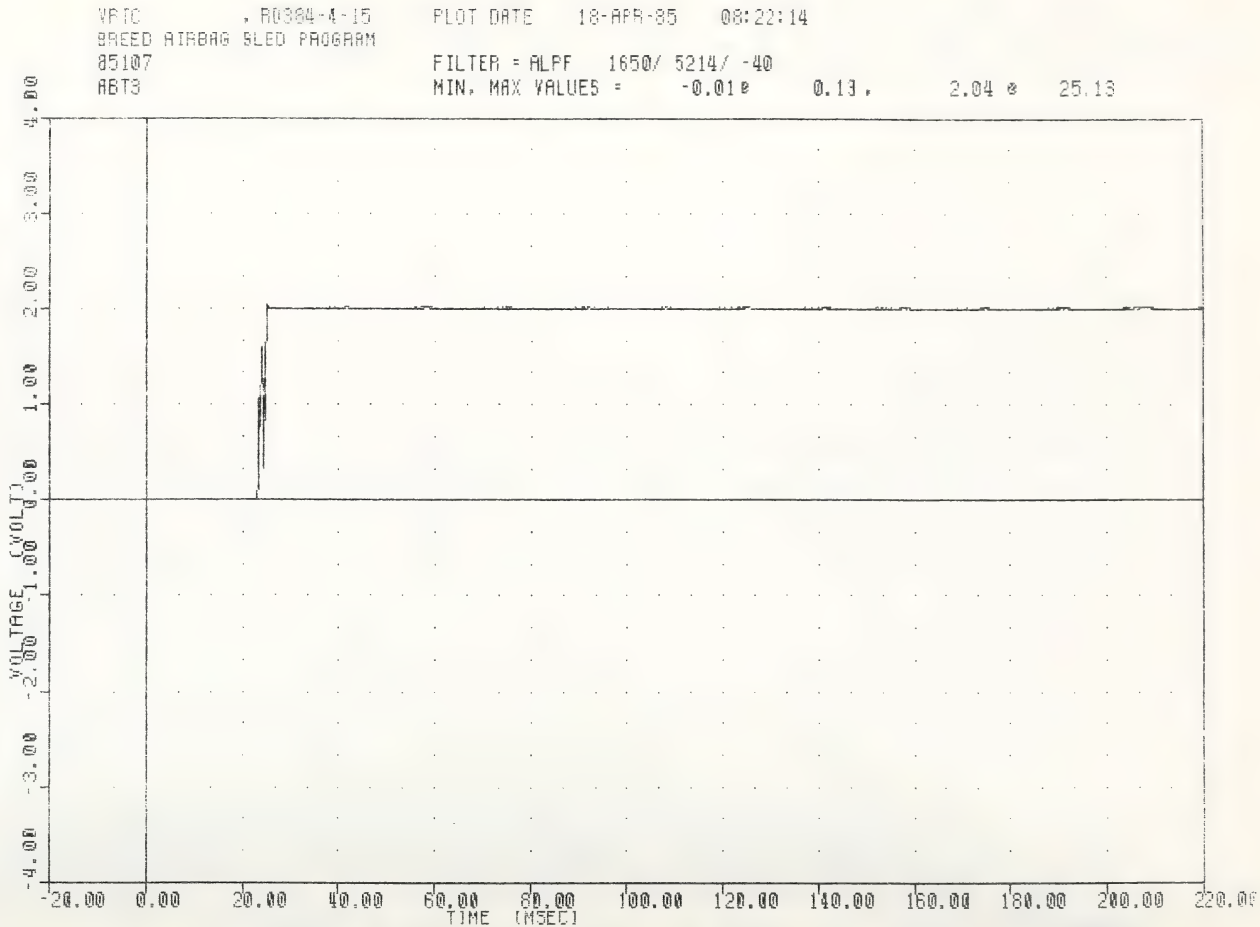


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VATC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 100/ 316/ -40
LPBZ6 MIN. MAX VALUES = -1.31 @ 110.25 , 1.56 @ 67.50

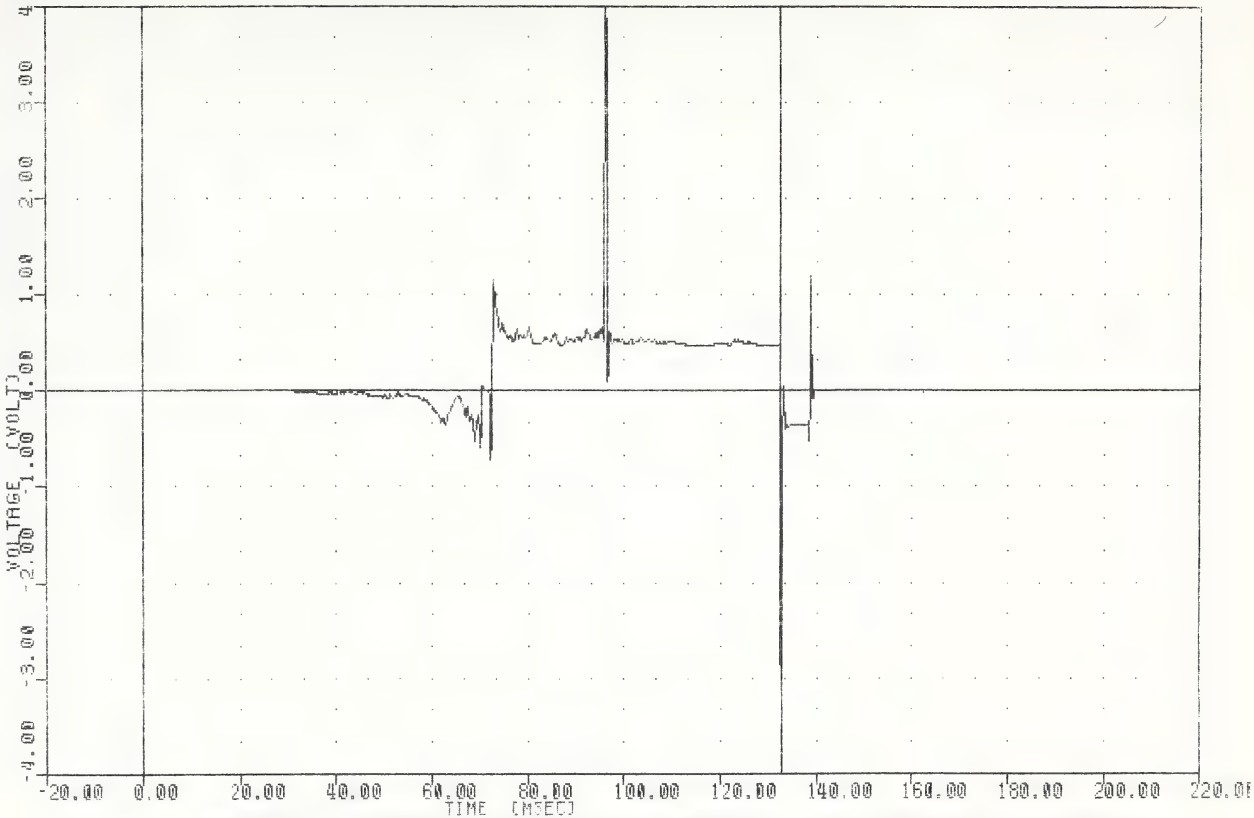


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

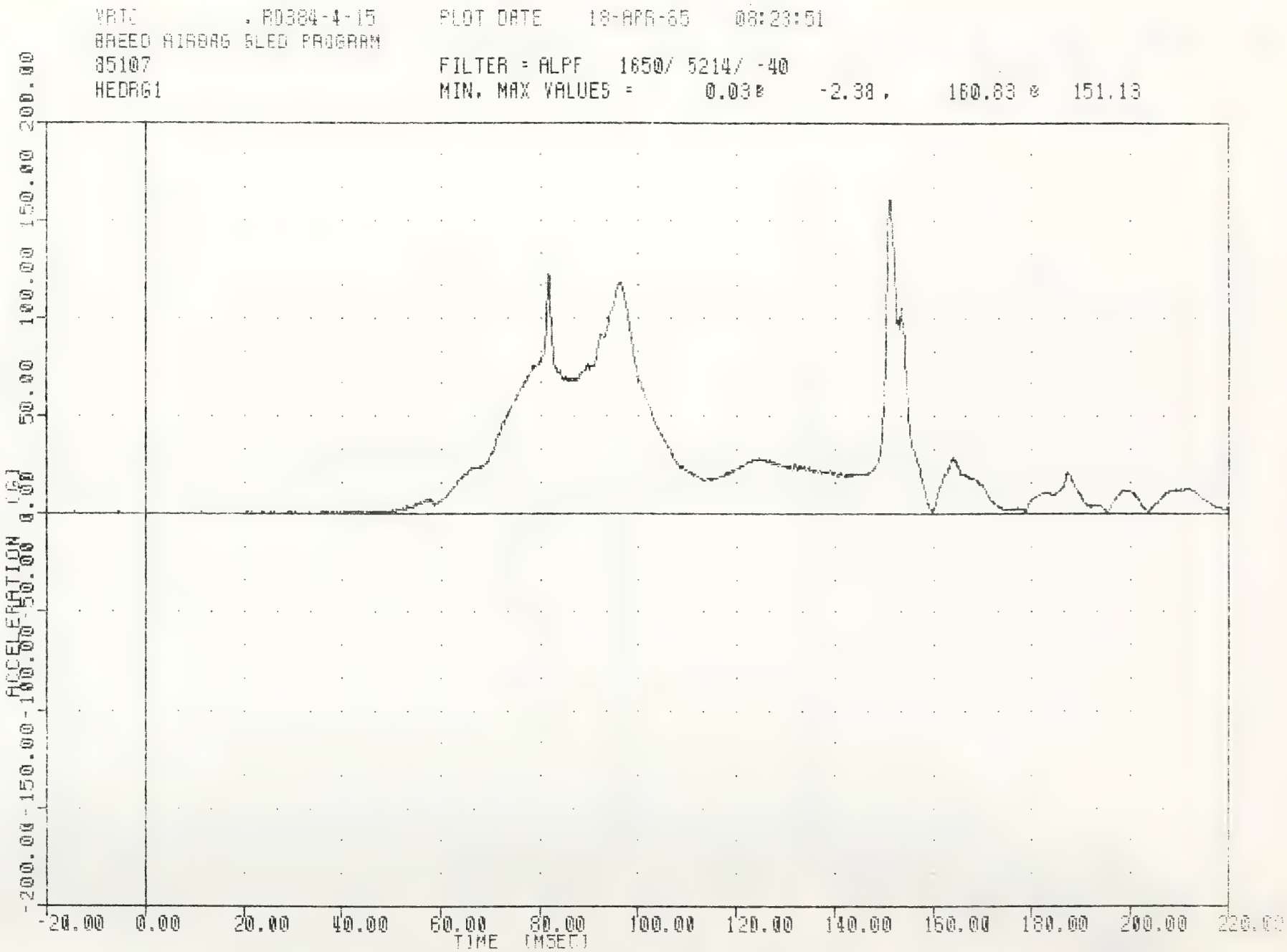


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = ALPF 1650/ 5214/ -40
ABT4 MIN. MAX VALUES = -5.35@ 132.63 , 6.03 @ 96.13

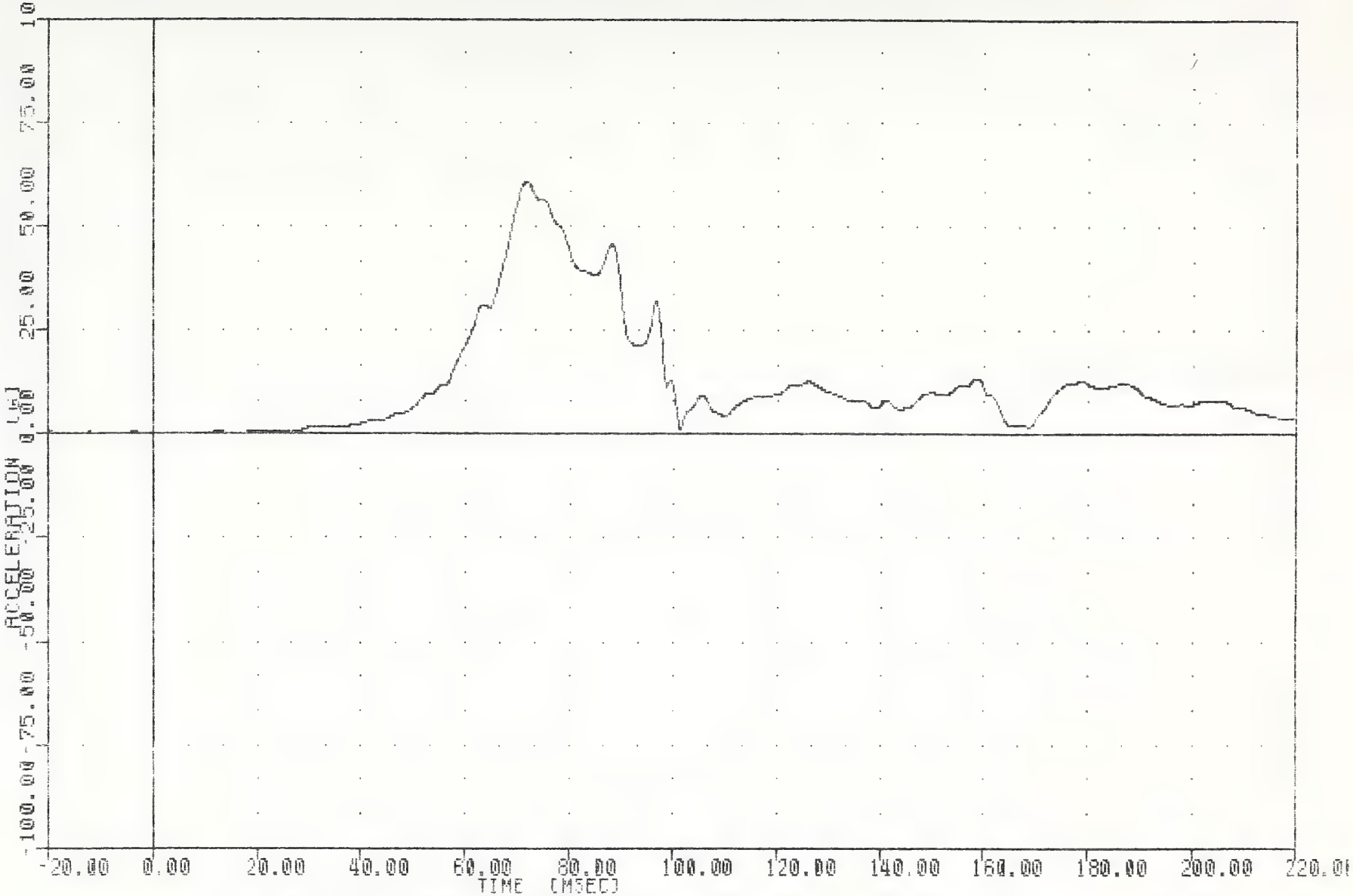


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
KNEE CONTACT



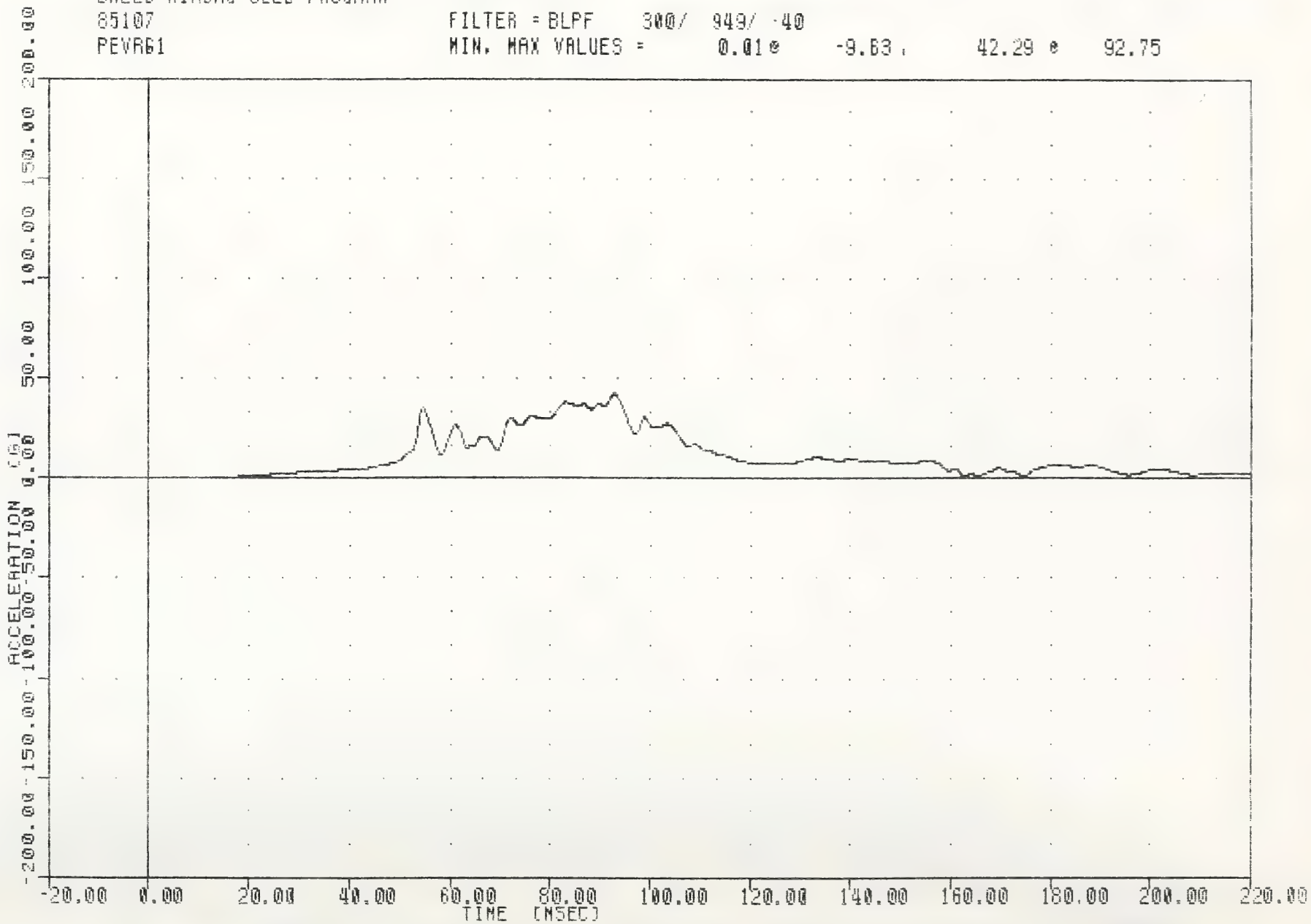
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:23:51
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
CSTRG1 MIN, MAX VALUES = 0.03@ -16.00 , 60.71 @ 71.75



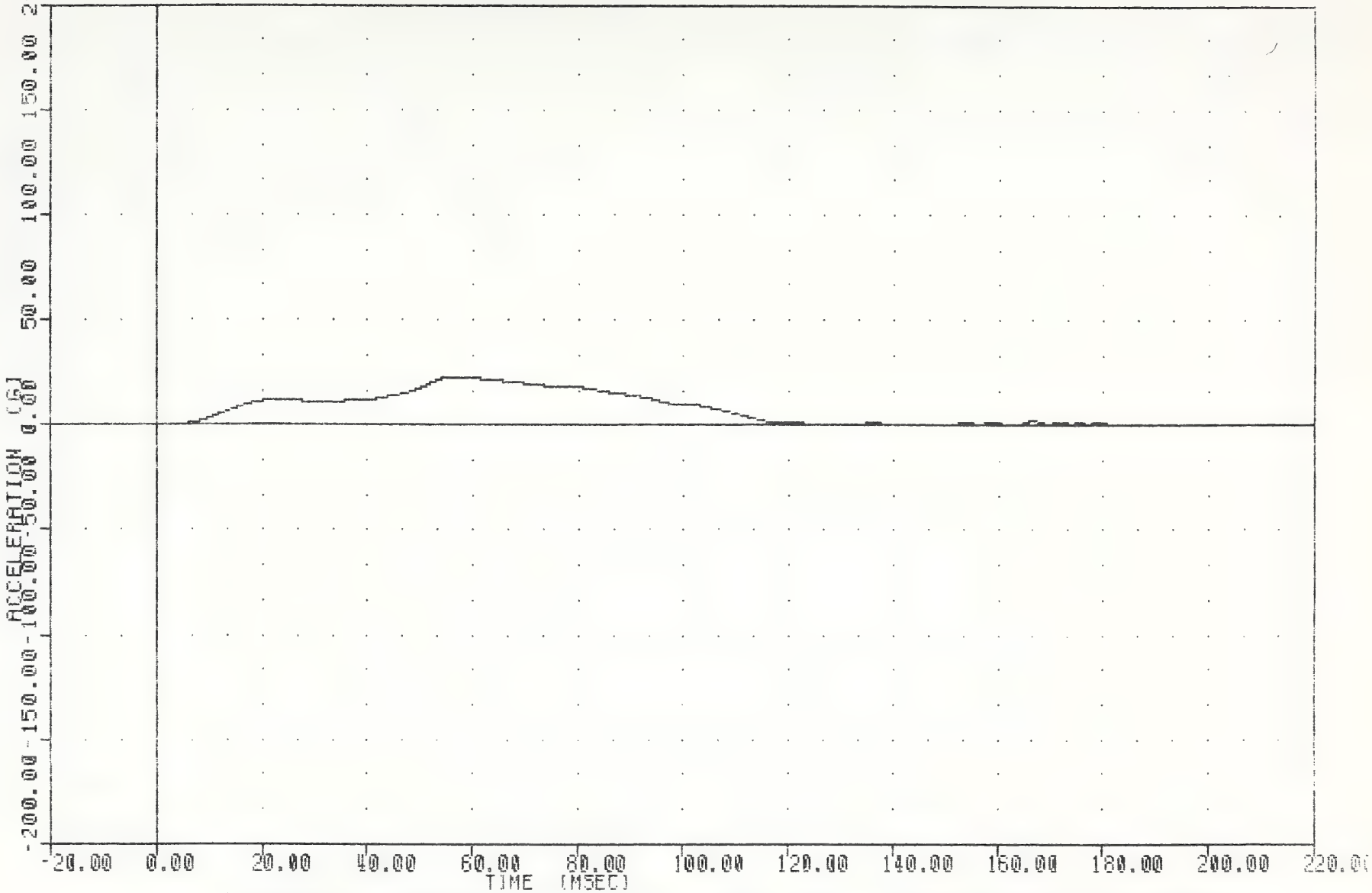
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VATC , RD384-4-15 PLOT DATE 18-APR-85 08:23:51
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 300/ 949/ -40
PEVRG1 MIN. MAX VALUES = 0.01 @ -9.63 , 42.29 @ 92.75



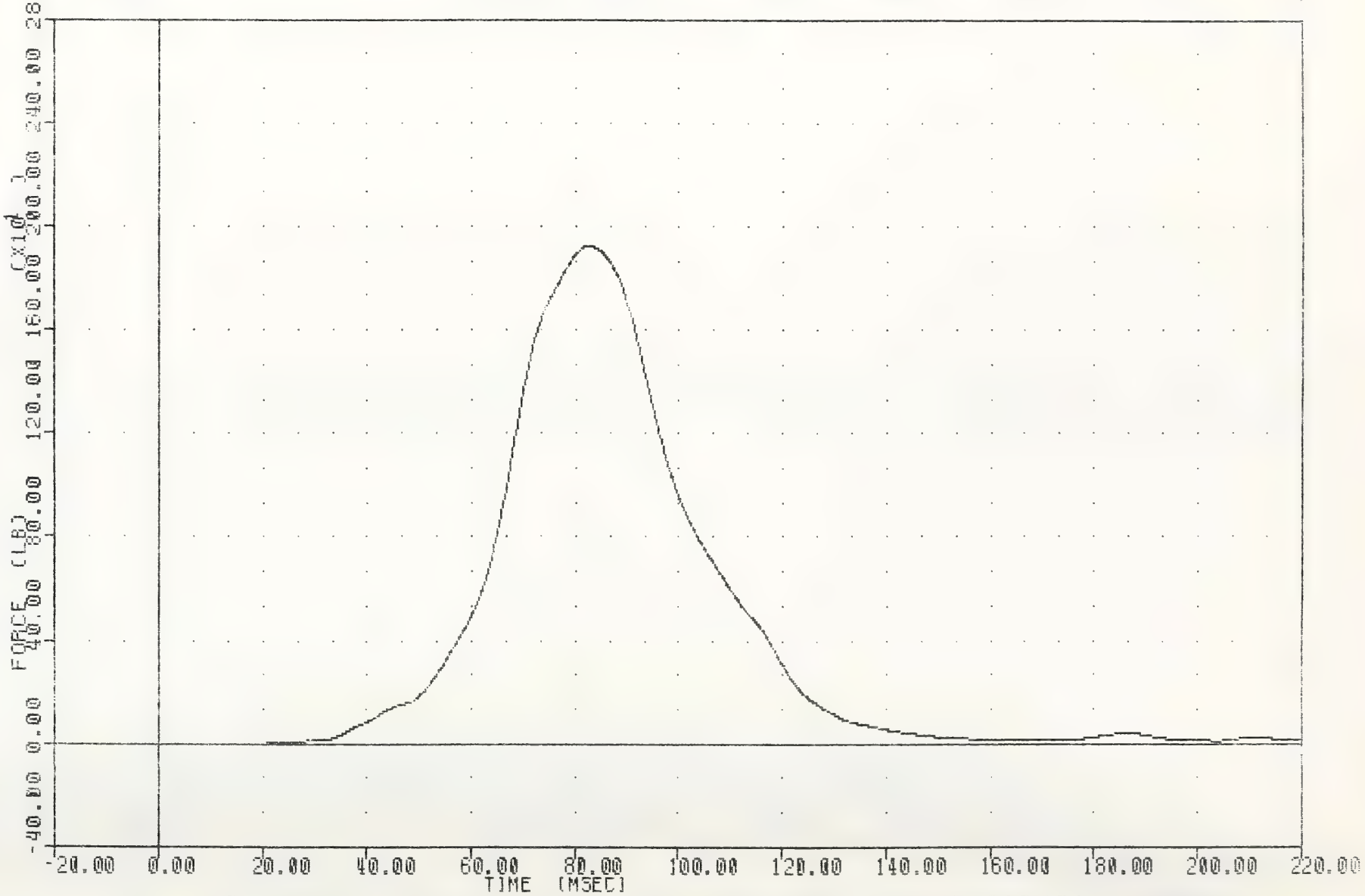
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC . RD384-4-15 PLOT DATE 18-APR-85 08:23:51
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 100/ 316/ -40
LPBRG MIN, MAX VALUES = 0.06 @ -7.50 , 22.86 @ 56.13

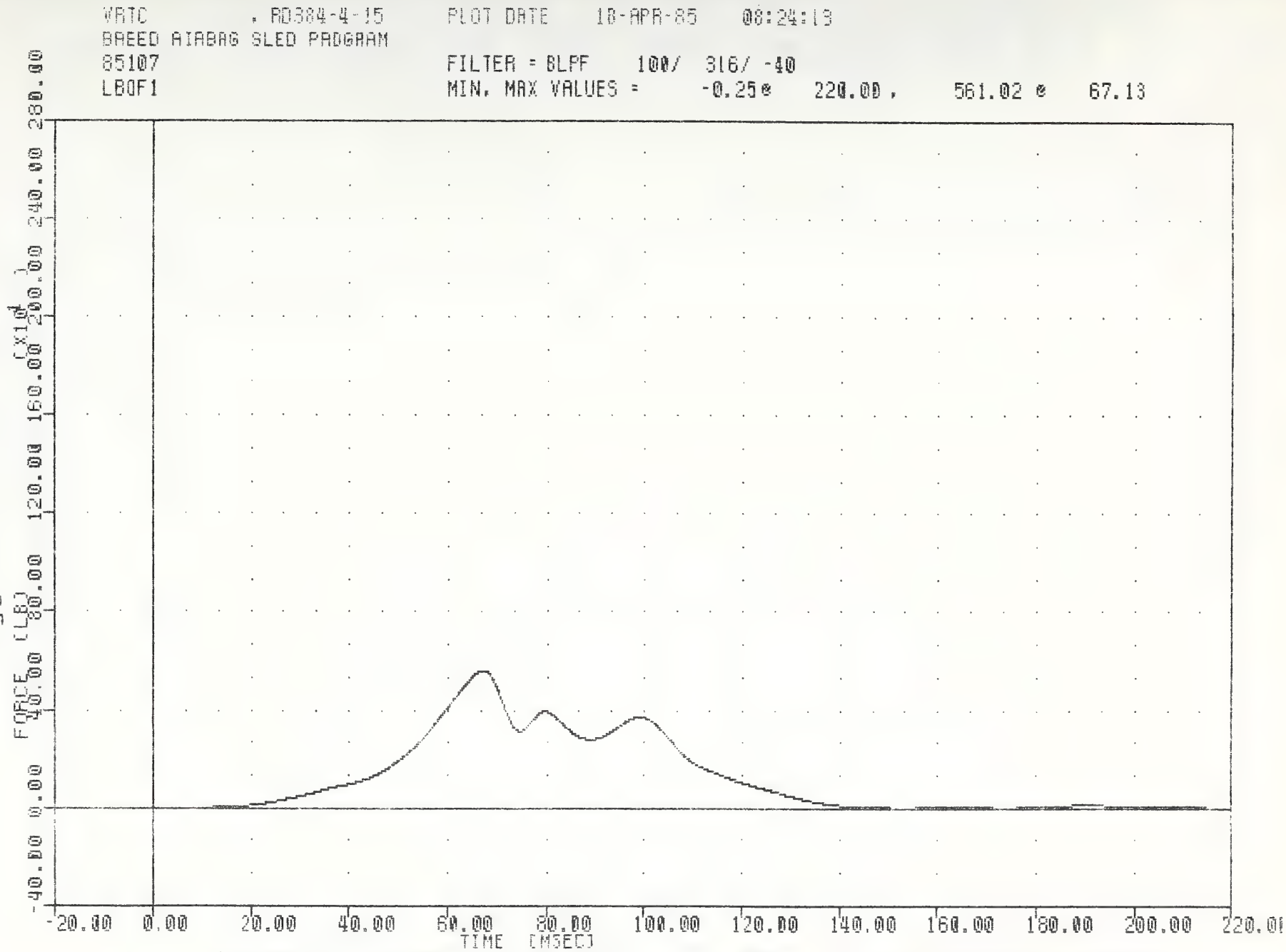


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , RD384-4-15 PLOT DATE 18-APR-85 08:24:13
BREED AIRBAG SLED PROGRAM
85107 FILTER = BLPF 100/ 316/ -40
SHBF1 MIN, MAX VALUES = -1.06 @ 16.00 , 1923.82 @ 82.63

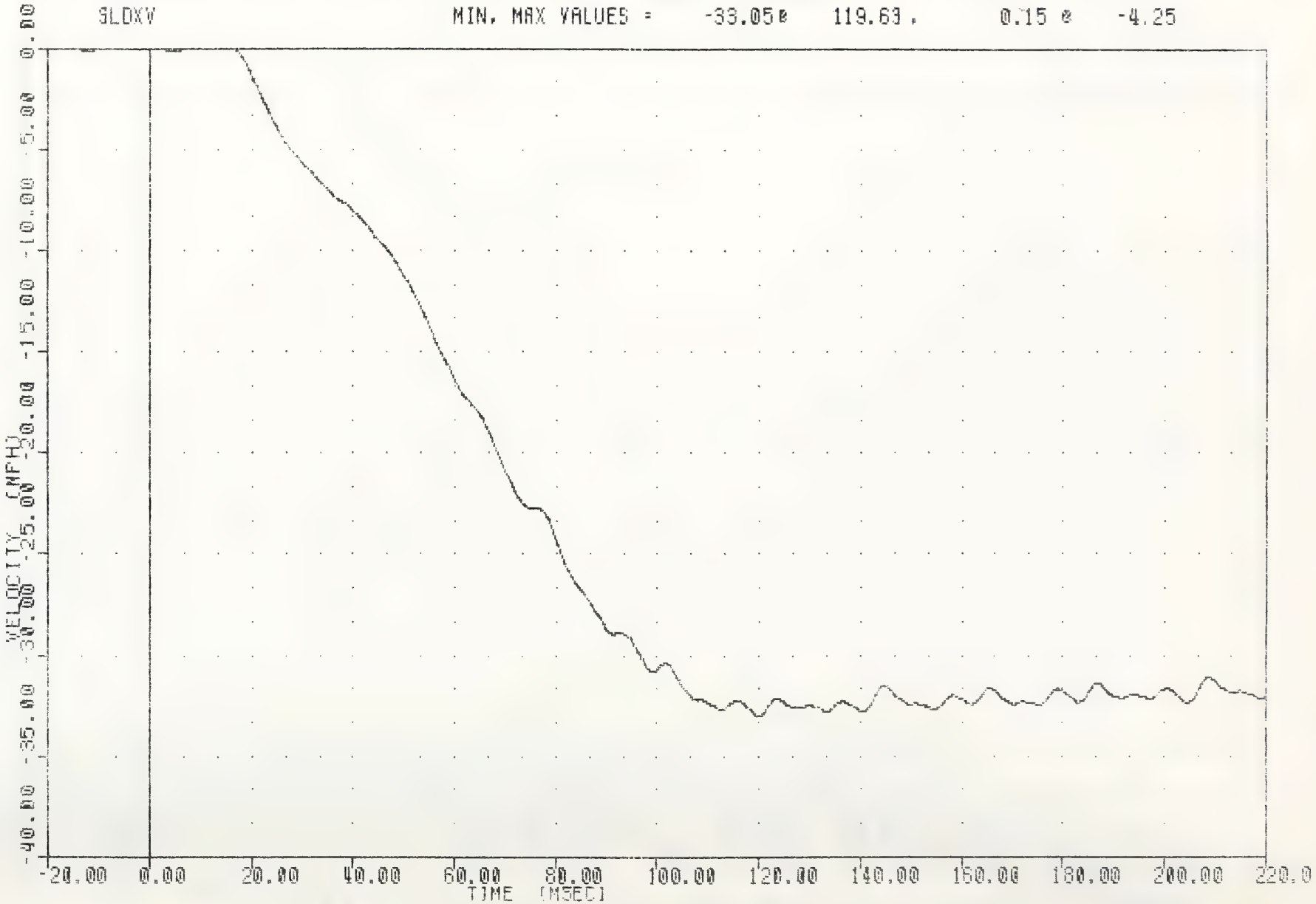


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

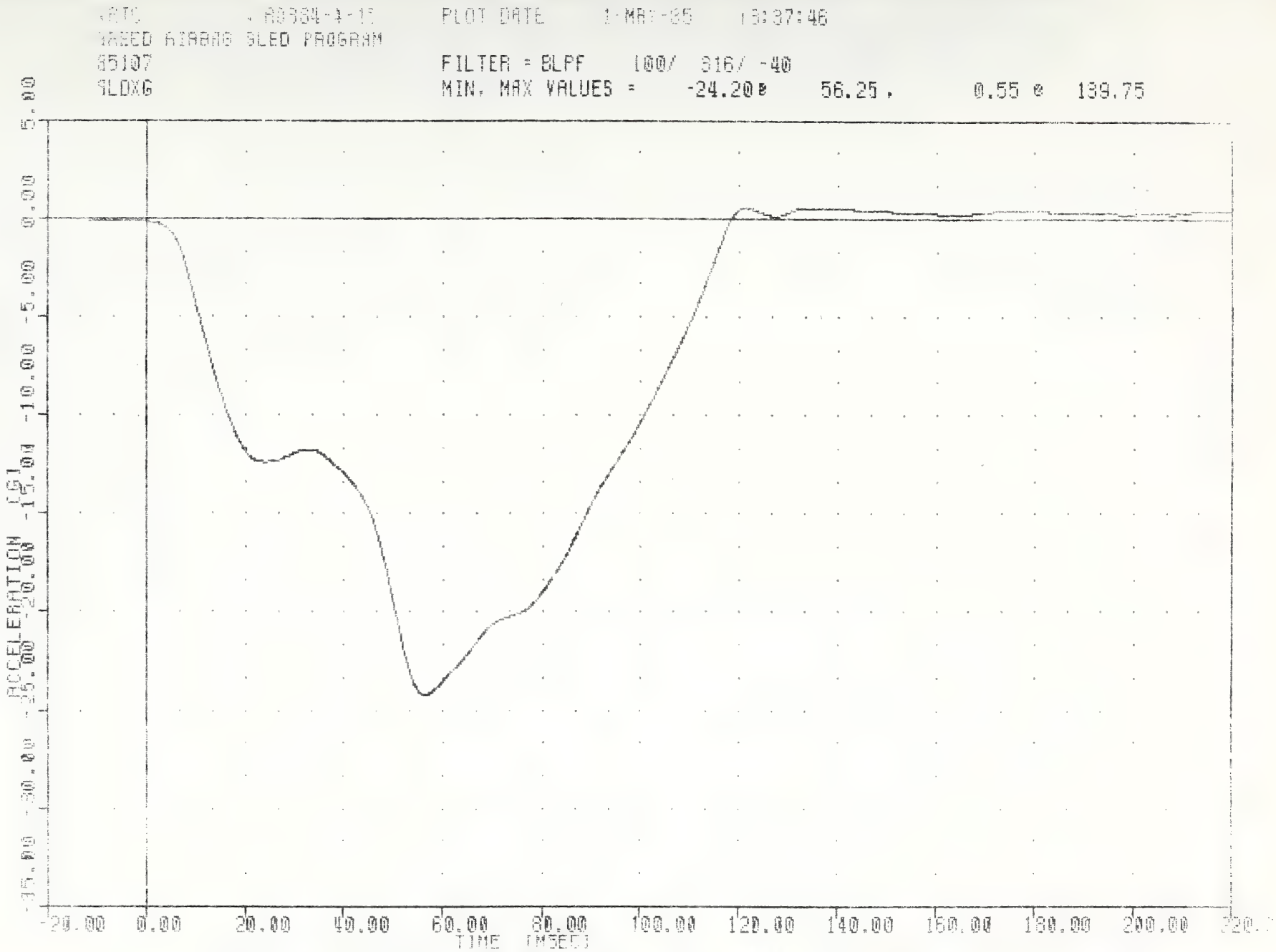


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBF

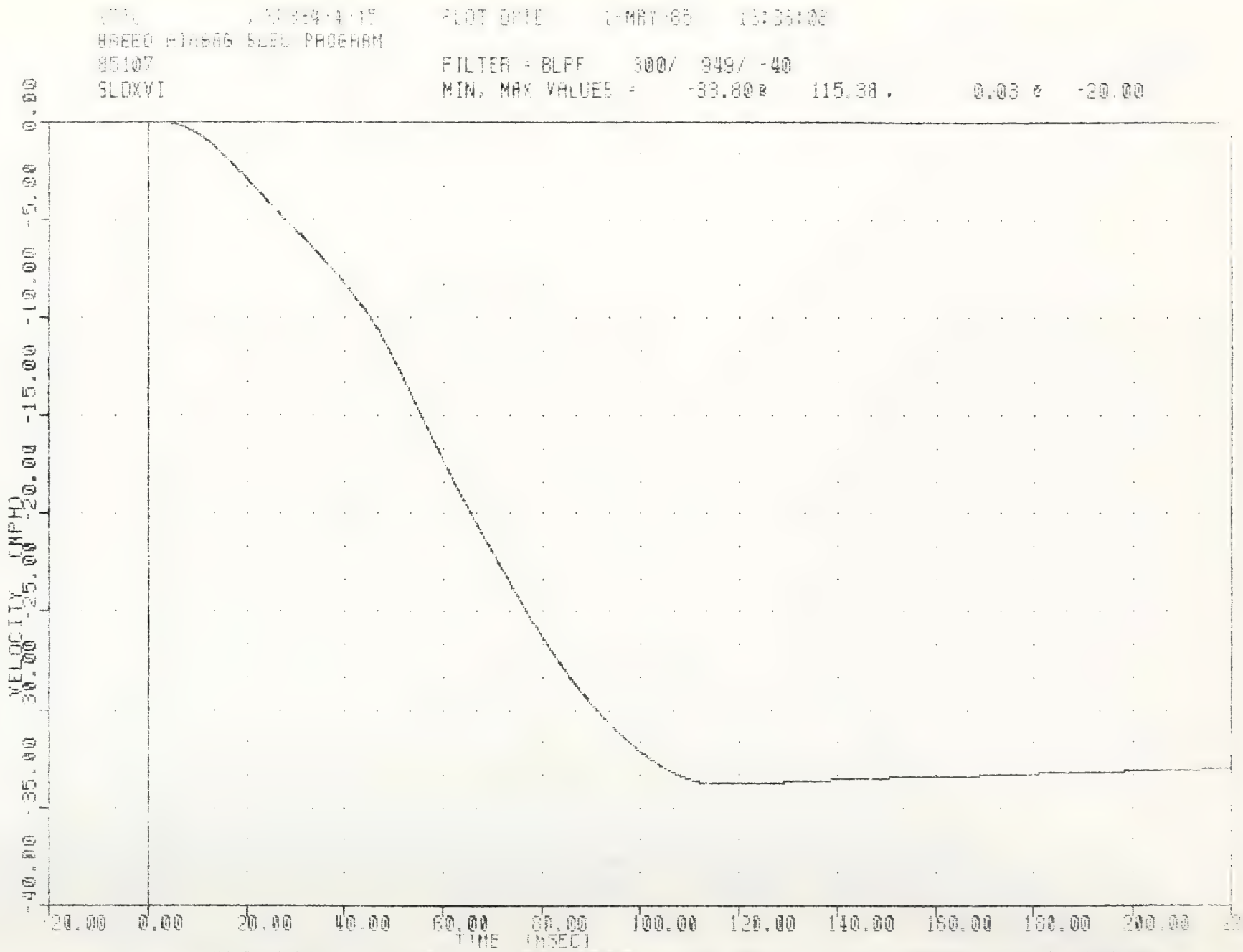
VRTC , R0384-4-15 PLOT DATE 18-APR-85 08:22:14
BREED AIRBAG SLED PROGRAM
85107 FILTER = ALPF 100/ 316/ -40
SLDXV MIN, MAX VALUES = -33.050 119.63 , 0.15 @ -4.25



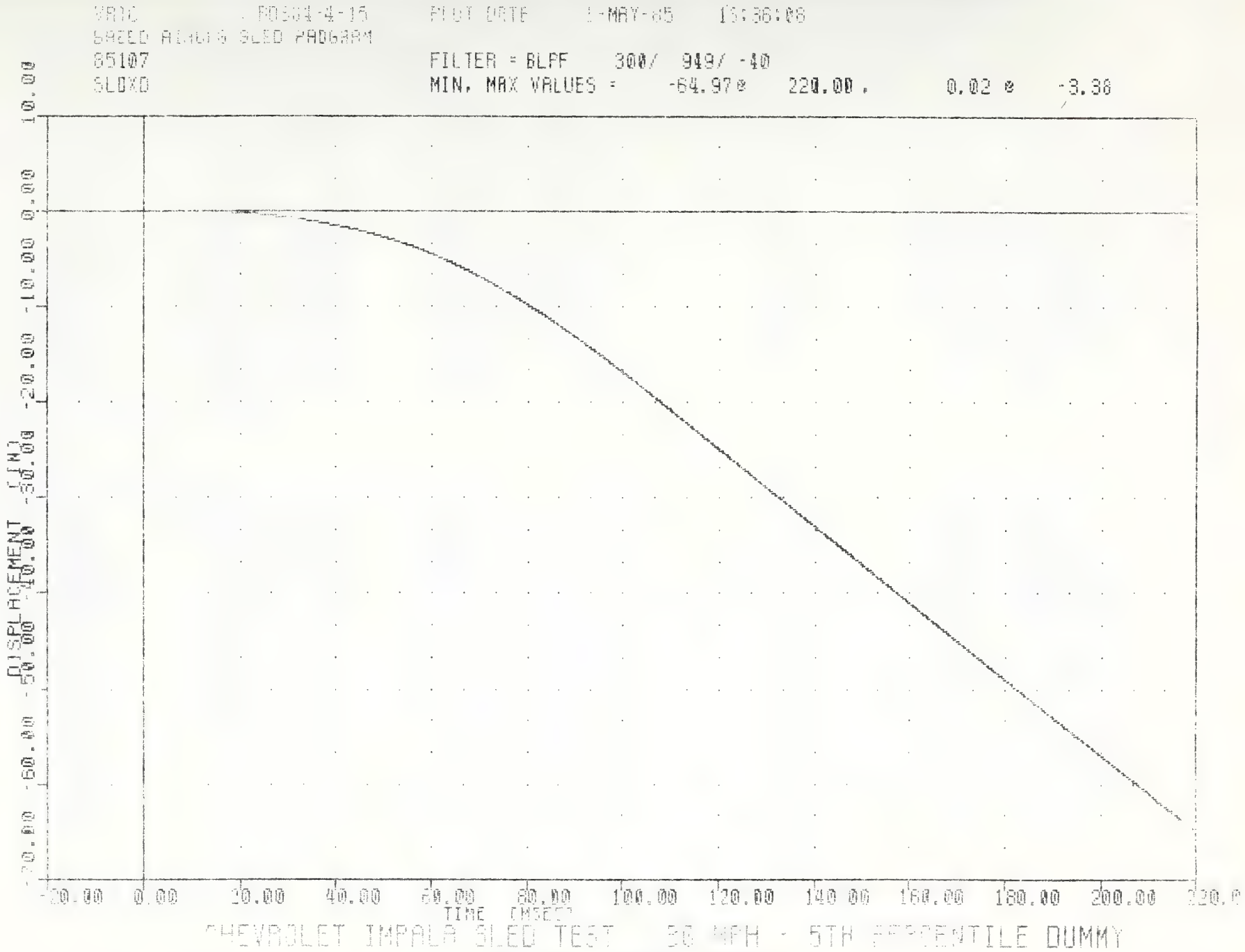
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)



CHEVROLET IMPALA SLED TEST - 30 KPH - 5TH PERCENTILE DUMMY
X-UP ACCELERATION



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)



CHEVROLET IMPALA SLED TEST 30 MPH - 5TH PERCENTILE DUMMY

TRC417P.RAD;5
VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:15
85109 30.00 mph

		Min value			Max value			Data Units	Filter			
1	EVENT	0.012	@	62.750	2.536	@	-9.000 msec	volt	ALPF	1650/	5214/	-40
2	SLDXV	-32.712	@	120.125	0.047	@	7.250 msec	mph	ALPF	100/	316/	-40
3	SLDXG	-23.381	@	56.625	0.537	@	121.875 msec	g	BLPF	100/	316/	-40
4	HEDXG1	-153.572	@	83.000	11.484	@	219.875 msec	g	ALPF	1650/	5214/	-40
5	HEDYG1	-6.544	@	83.000	2.201	@	84.250 msec	g	ALPF	1650/	5214/	-40
6	HEDZG1	-1.357	@	-8.500	39.232	@	81.875 msec	g	ALPF	1650/	5214/	-40
7	CSTXG1	-38.210	@	88.375	4.180	@	215.500 msec	g	BLPF	300/	949/	-40
8	CSTYG1	-4.889	@	71.000	6.207	@	100.000 msec	g	BLPF	300/	949/	-40
9	CSTZG1	-8.066	@	107.625	13.389	@	69.750 msec	g	BLPF	300/	949/	-40
10	USTXG1	-65.500	@	88.875	7.958	@	161.750 msec	g	BLPF	300/	949/	-40
11	LSTXG1	-90.468	@	88.375	14.318	@	91.625 msec	g	BLPF	300/	949/	-40
12	PEVXG1	-36.316	@	89.250	3.202	@	139.000 msec	g	BLPF	300/	949/	-40
13	PEVYG1	-5.178	@	46.875	6.616	@	101.750 msec	g	BLPF	300/	949/	-40
14	PEVZG1	-22.612	@	94.000	2.529	@	136.875 msec	g	BLPF	300/	949/	-40
15	LFMF1	-284.419	@	41.500	251.727	@	72.375 msec	lb	BLPF	1000/	3162/	-40
16	RFMF1	-262.737	@	46.250	421.427	@	90.875 msec	lb	BLPF	1000/	3162/	-40
17	LPBXG	-23.307	@	56.250	0.840	@	183.875 msec	g	BLPF	100/	316/	-40
18	LPBYG	-1.277	@	183.750	1.802	@	36.375 msec	g	BLPF	100/	316/	-40
19	LPBZG	-1.381	@	134.750	1.779	@	67.000 msec	g	BLPF	100/	316/	-40
20	SHBF1	-0.917	@	-6.750	2348.546	@	90.625 msec	lb	BLPF	100/	316/	-40
21	LBOF1	-4.452	@	176.500	1817.067	@	85.125 msec	lb	BLPF	100/	316/	-40
22	ABT3	-0.087	@	22.625	2.154	@	24.125 msec	volt	ALPF	1650/	5214/	-40
23	ABT4	-0.770	@	114.375	2.186	@	75.375 msec	volt	ALPF	1650/	5214/	-40

TRC417IP.RAD;5
VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:37
85109 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HEDXV1	-49.508	@	185.125	0.016	@	45.250 msec	mph	BLPF	300/	949/	-40
2	HEDXD1	-70.901	@	220.000	-0.096	@	-20.000 msec	in	BLPF	300/	949/	-40
3	CSTXV1	-36.130	@	127.875	-0.386	@	-20.000 msec	mph	BLPF	300/	949/	-40
4	CSTXD1	-59.277	@	220.000	-0.199	@	-20.000 msec	in	BLPF	300/	949/	-40
5	PEVXV1	-30.540	@	109.000	-0.411	@	-14.125 msec	mph	BLPF	300/	949/	-40
6	PEVXD1	-51.165	@	220.000	-0.230	@	-20.000 msec	in	BLPF	300/	949/	-40
7	SLDXVI	-32.309	@	115.625	-0.031	@	-20.000 msec	mph	BLPF	300/	949/	-40
8	SLDXD	-62.236	@	220.000	-0.016	@	-20.000 msec	in	BLPF	300/	949/	-40
9	LPBXV	-31.447	@	118.625	0.414	@	-18.750 msec	mph	BLPF	300/	949/	-40
10	LPBXD	-59.847	@	220.000	0.335	@	8.625 msec	in	BLPF	300/	949/	-40

TRC417AP.RAD;1
VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 29-APR-85 15:20
85109 30.00 mph

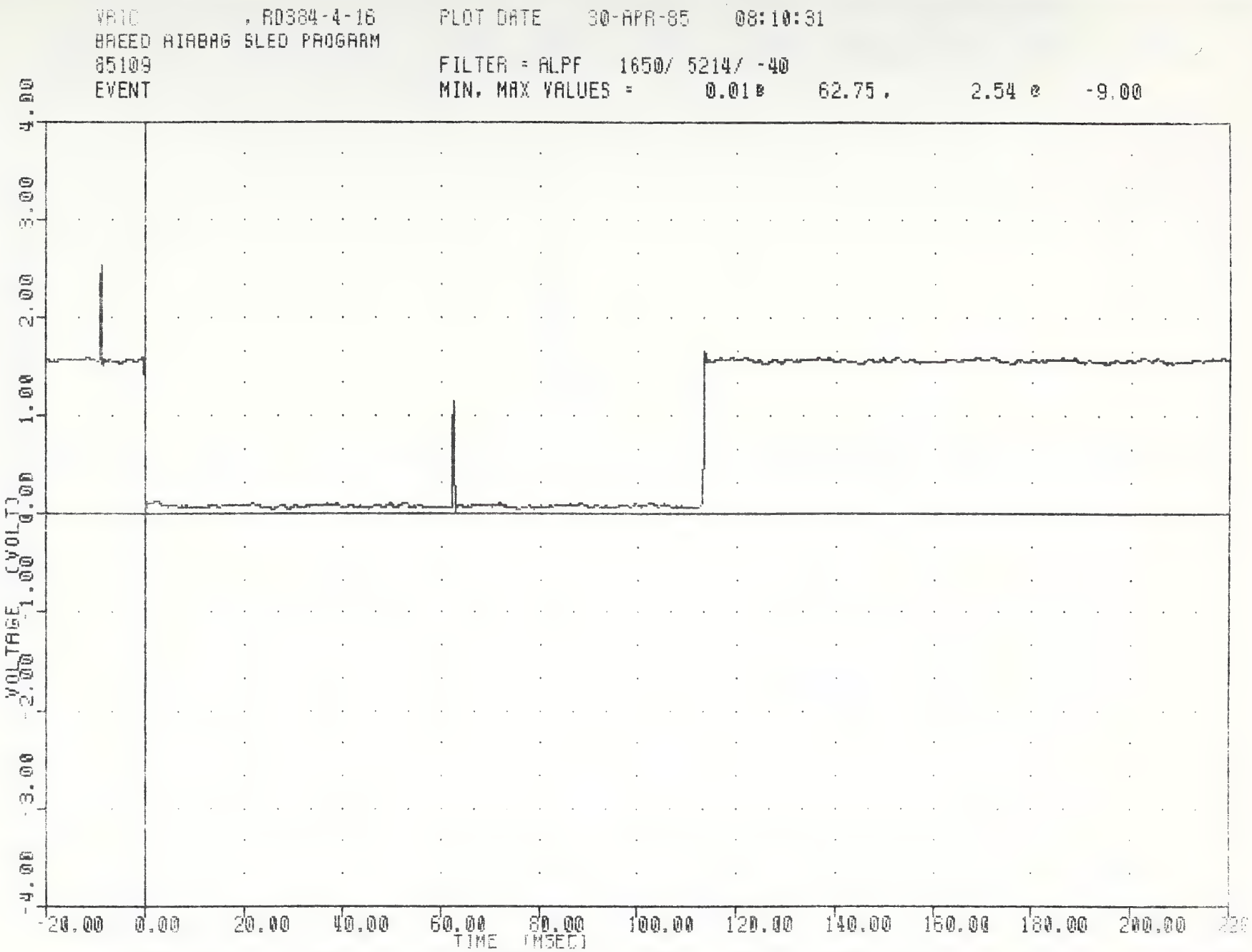
		Min value	Max value	Data Units	Filter
1	HD2ZG1	-47.603 @ 83.000	47.293 @ 86.000 msec	g	ALPF 1650/ 5214/ -40
2	NEKXF1	-20.905 @ 206.375	259.907 @ 98.000 msec	lb	BLPF 100/ 316/ -40
3	NEKYM1	-54.096 @ 141.375	60.304 @ 96.625 msec	lb-ft	BLPF 100/ 316/ -40
4	NEKZF1	-1.931 @ 29.750	186.952 @ 104.125 msec	lb	BLPF 100/ 316/ -40
5	CSTXD1	-0.009 @ 23.625	1.871 @ 100.500 msec	in	BLPF 300/ 949/ -40
6	KNLF1	-229.297 @ 42.625	72.266 @ 115.750 msec	lb	BLPF 1000/ 3162/ -40
7	KNLFA	-314.006 @ 44.375	57.227 @ 195.375 msec	lb	BLPF 1000/ 3162/ -40
8	KNRF1	-356.631 @ 45.250	113.486 @ 126.750 msec	lb	BLPF 1000/ 3162/ -40
9	KNRFA	-151.015 @ 92.125	32.394 @ 217.750 msec	lb	BLPF 1000/ 3162/ -40
10	TBLXM1	-18.343 @ 59.875	17.414 @ 45.375 msec	lb-ft	BLPF 1000/ 3162/ -40
11	TBLYM1	-66.690 @ 48.375	16.955 @ 131.500 msec	lb-ft	BLPF 1000/ 3162/ -40
12	TBRXM1	-29.119 @ 44.875	22.240 @ 92.875 msec	lb-ft	BLPF 1000/ 3162/ -40
13	TBRYM1	-75.222 @ 56.250	18.473 @ 126.500 msec	lb-ft	BLPF 1000/ 3162/ -40
14	ANLXM1	-11.901 @ 39.125	34.331 @ 59.250 msec	lb-ft	BLPF 1000/ 3162/ -40
15	ANLYF1	-43.052 @ 58.750	20.690 @ 59.500 msec	lb	BLPF 1000/ 3162/ -40
16	ANLZF1	-28.373 @ 131.500	657.215 @ 41.500 msec	lb	BLPF 1000/ 3162/ -40
17	ANRXM1	-14.104 @ 44.625	7.989 @ 61.875 msec	lb-ft	BLPF 1000/ 3162/ -40
18	ANRYF1	-29.479 @ 65.500	51.399 @ 44.375 msec	lb	BLPF 1000/ 3162/ -40
19	ANRZF1	-35.953 @ 87.750	600.029 @ 45.250 msec	lb	BLPF 1000/ 3162/ -40

TRC417RP.RAD;3
VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 6-MAY-85 09:07
85109 30.00 mph

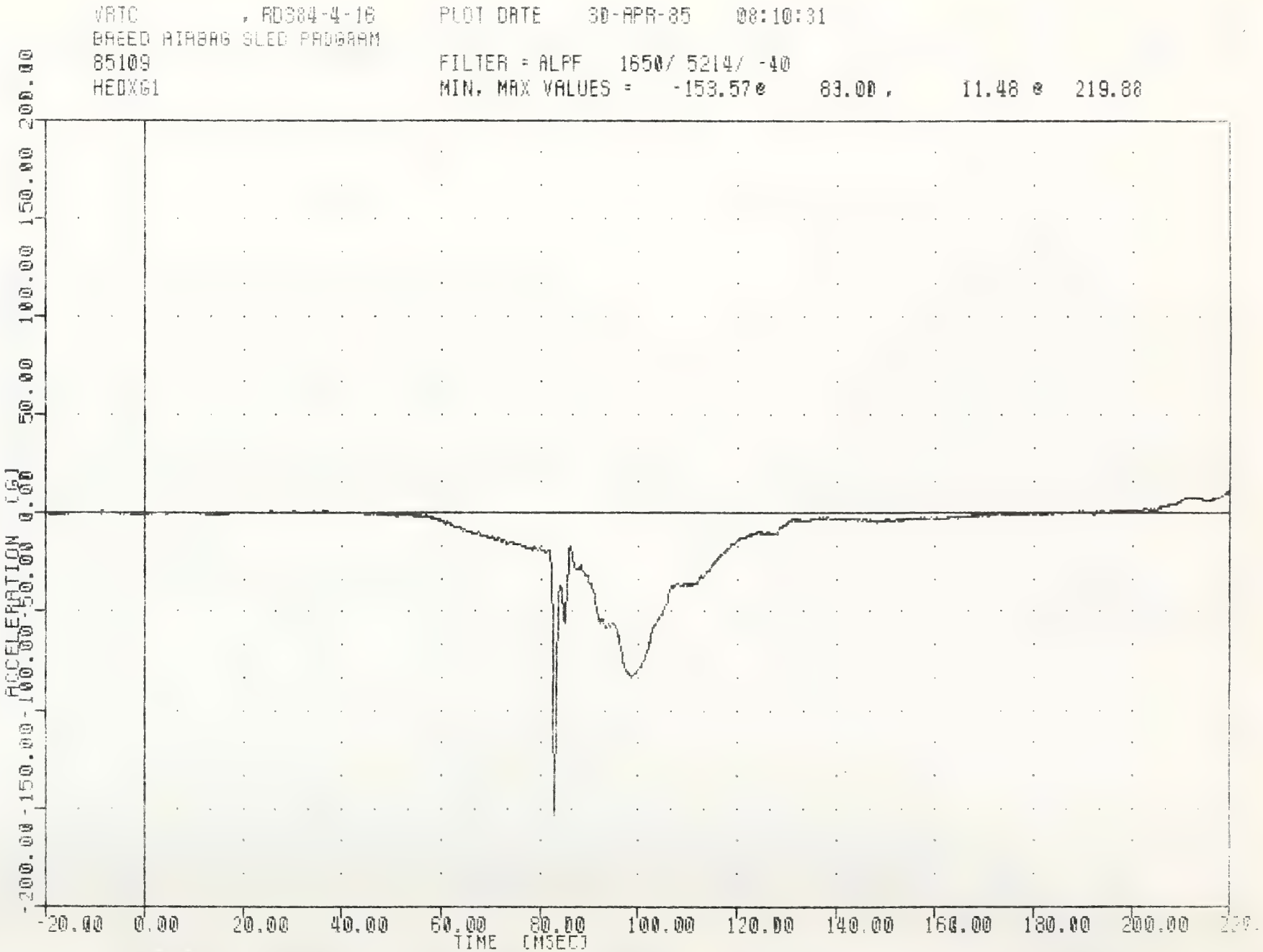
		Min value	Max value	Data Units	Filter
1	HEDRG1	0.017 @ -16.125	153.845 @ 83.000 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.079 @ -4.625	38.353 @ 88.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.050 @ 2.625	41.902 @ 86.500 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.112 @ -19.625	23.324 @ 56.125 msec	g	BLPF 100/ 316/ -40

```
                                HEDRG1

! * *   HIC computation for [SLED.BREED]TRC417RP.RAD;1        29-APR-85 15:44:55

HEDRG1       VRTC         RD384-4-16  85109         BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 130.250 msec      Peak accel = 153.84 @  83.000

HIC =  793.30      Interval from  75.375 [ 764] to 113.250 [1067]

HIC =  580.55      Interval from  90.000 [ 881] to 105.000 [1001]
```

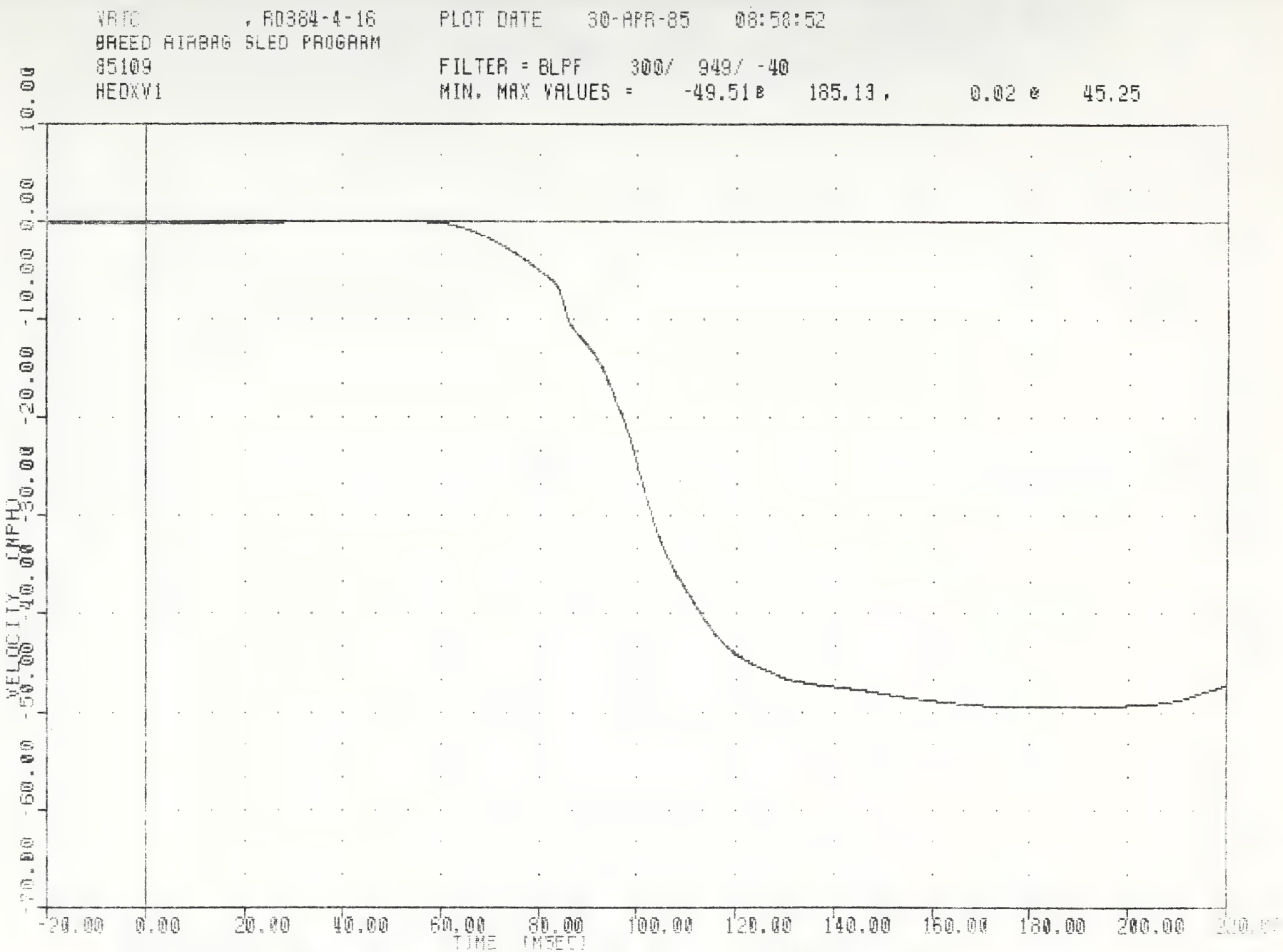
```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC417RP

File TRC417RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC         RD384-4-16  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC417RP.RAD;3                                VRTC        RD384-4-16
BREED AIRBAG SLED PROGRAM        30.0 mph      85109          6-MAY-85 10:23:54
Deltax: 0.125

3 MS CLIP PEAK:    36.28595

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```



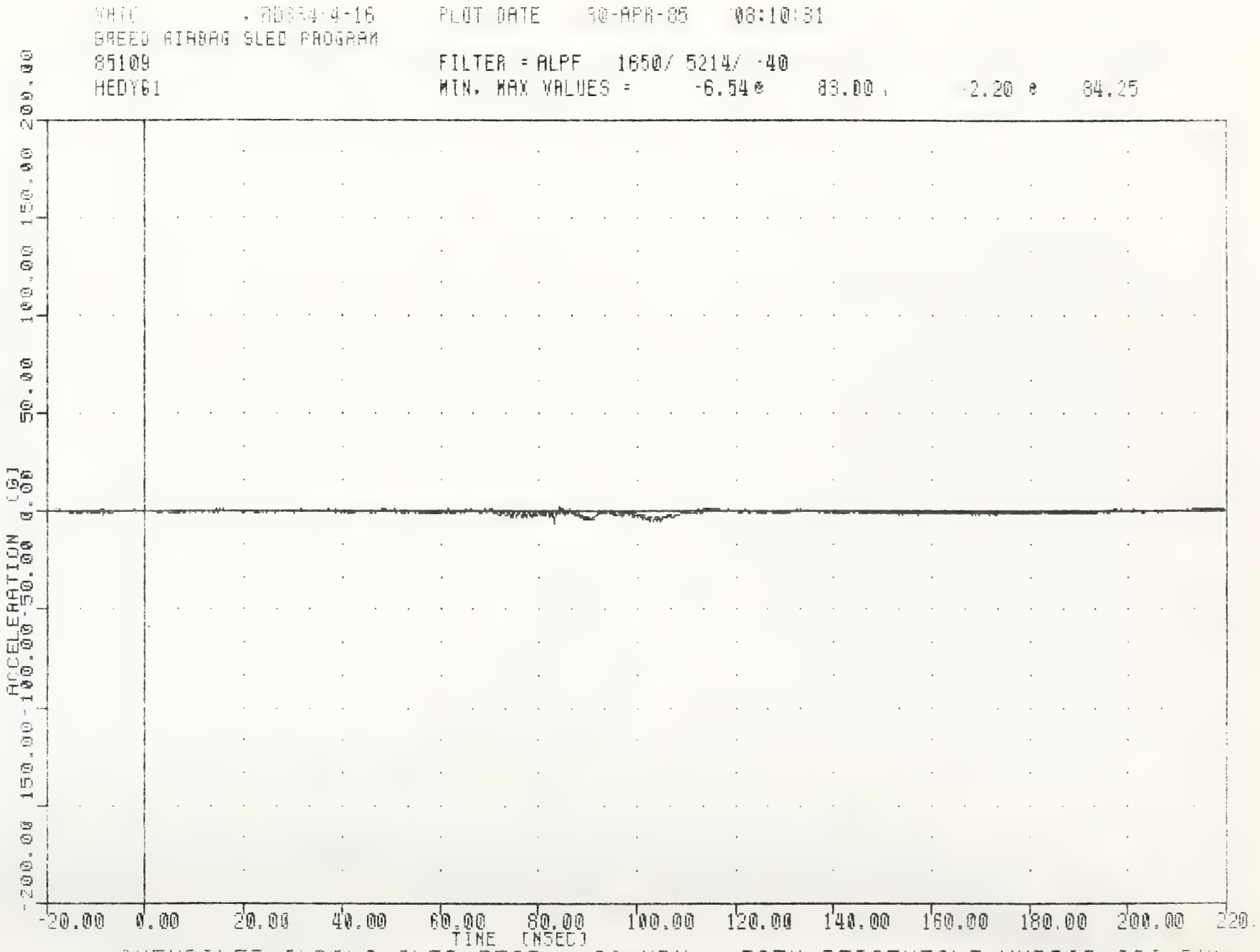
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
EVENT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION X AXIS

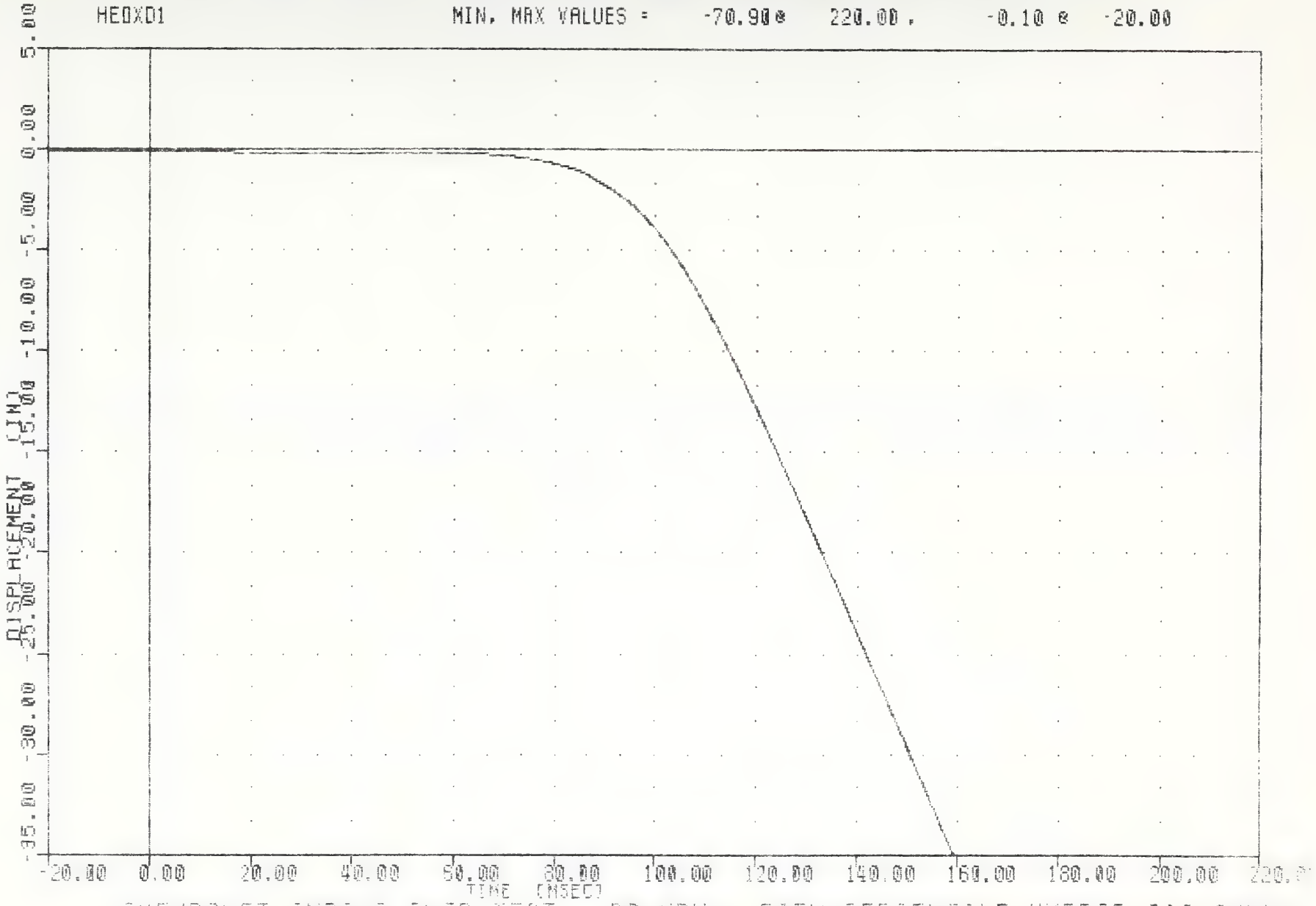


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUM

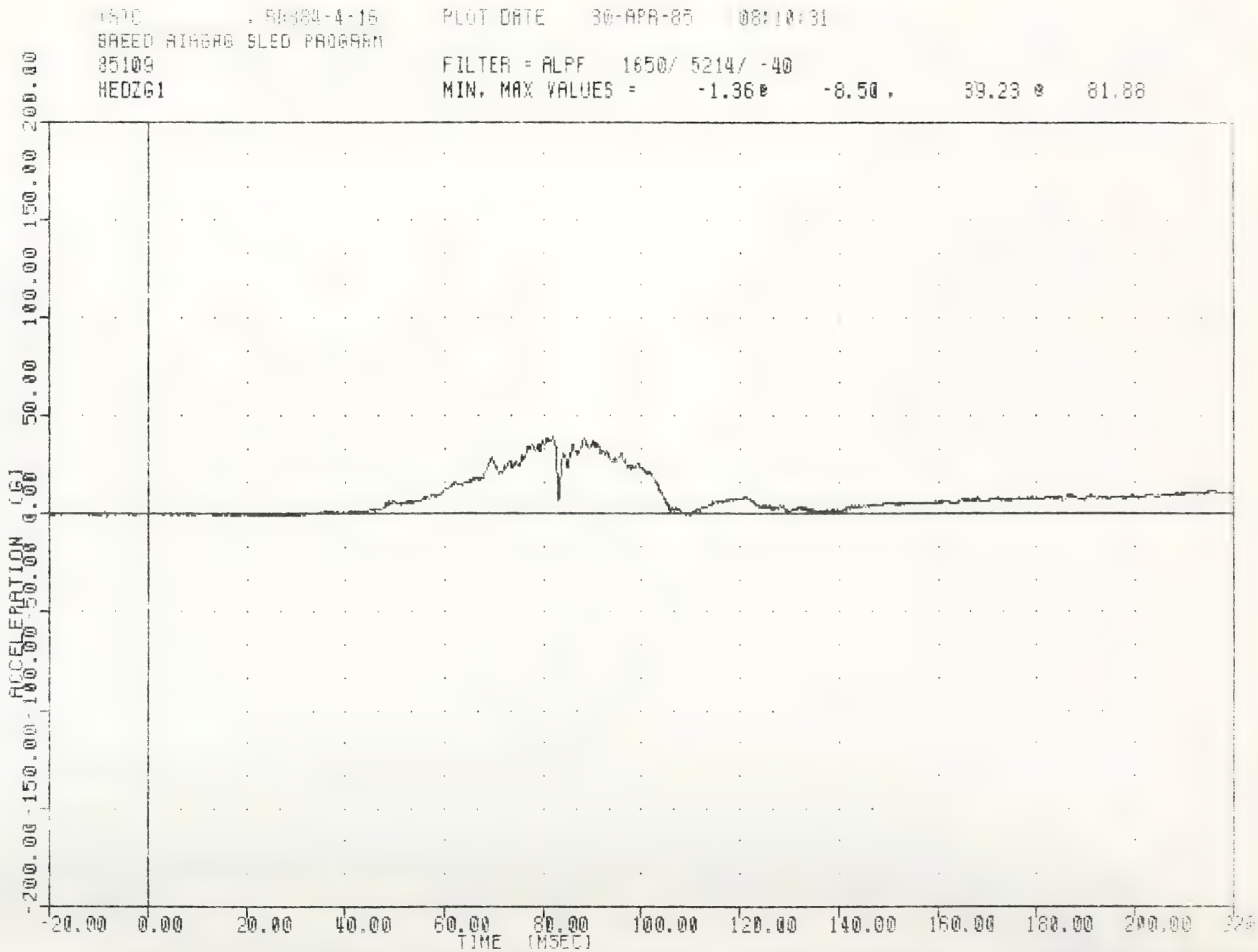


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Y AXIS

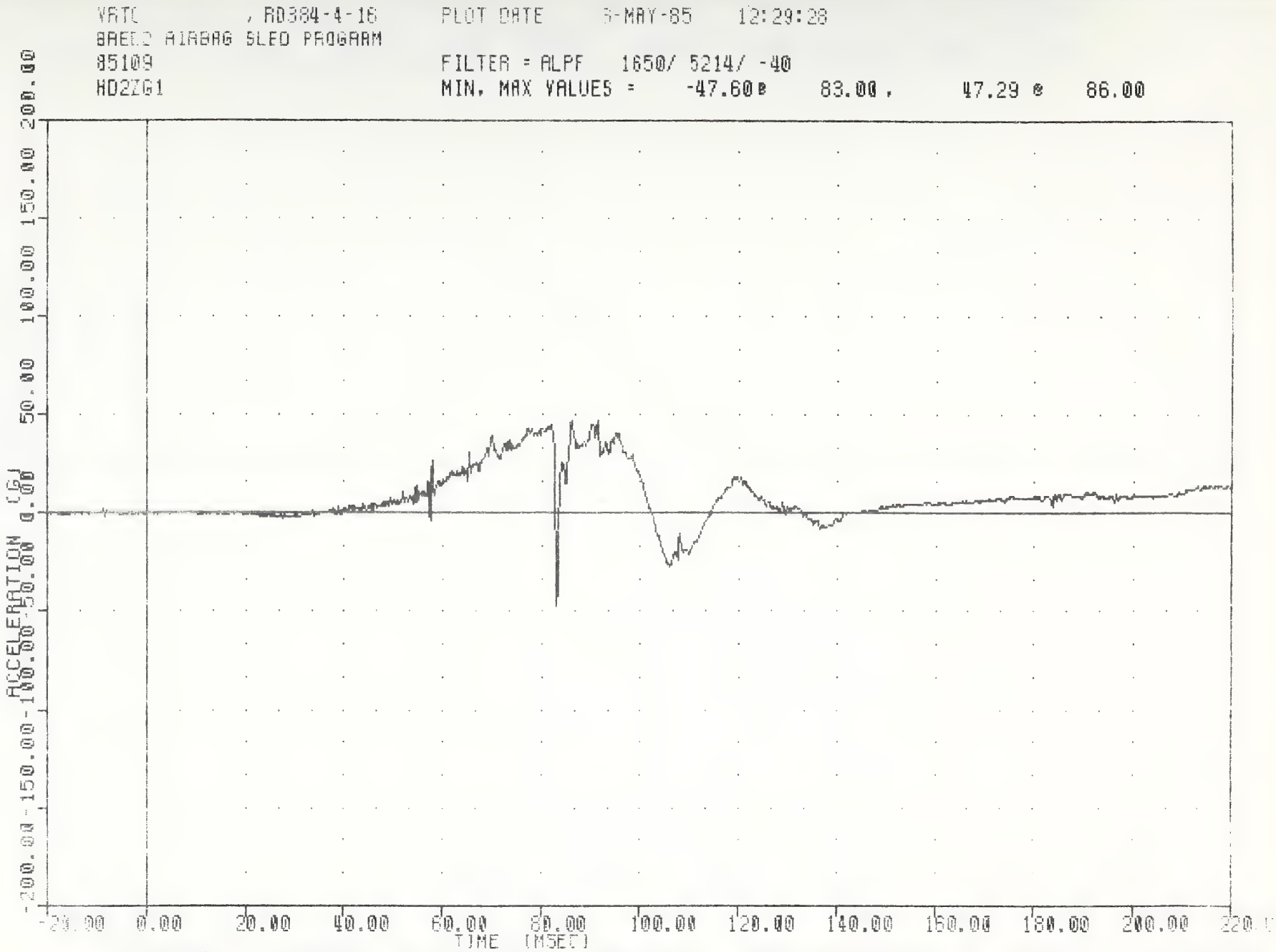
VRTC , AD384-4-16 PLOT DATE 30-APR-85 08:58:52
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN, MAX VALUES = -70.90 @ 220.00 , -0.10 @ -20.00



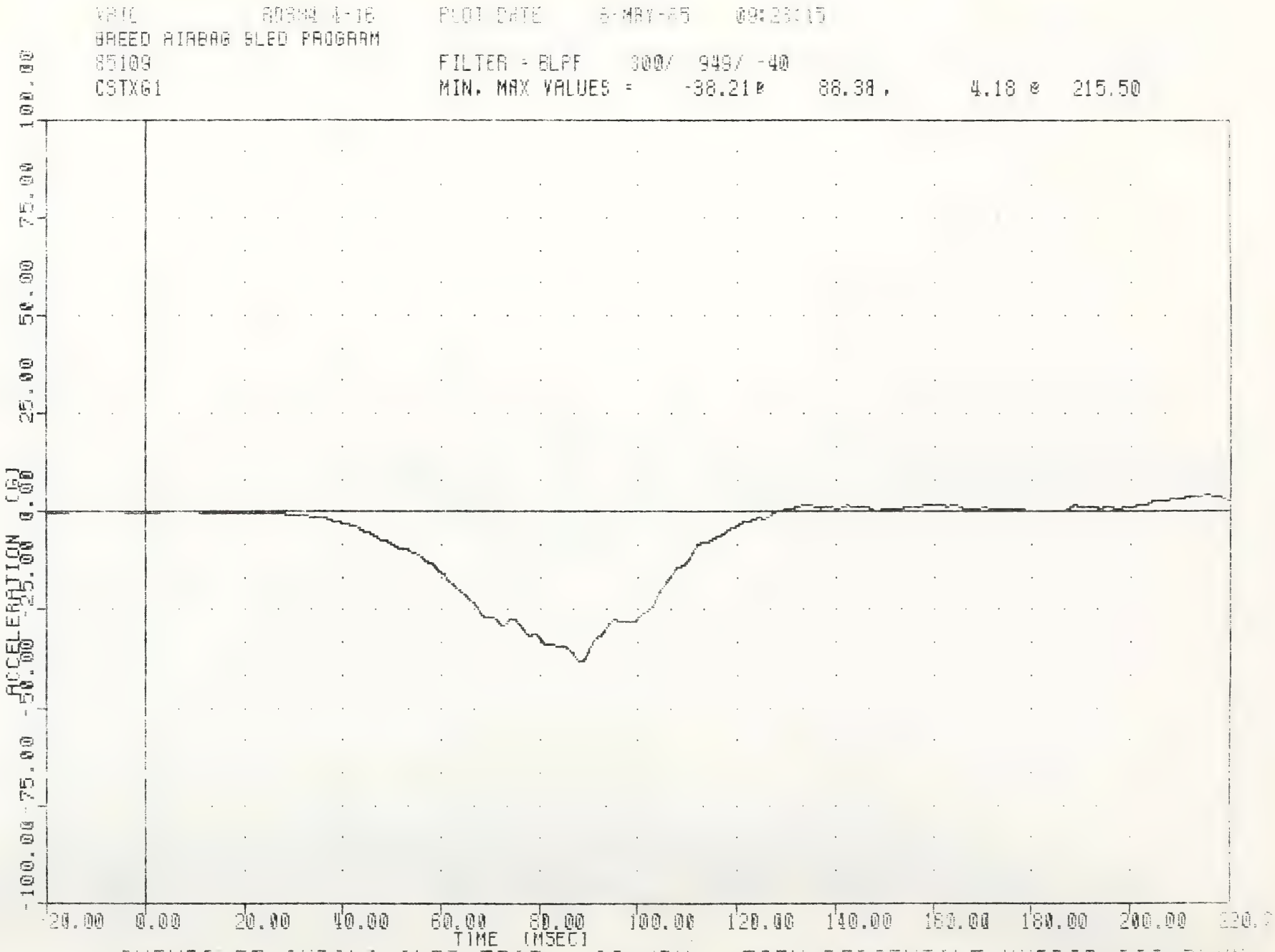
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V 19.1MX HEDXD1



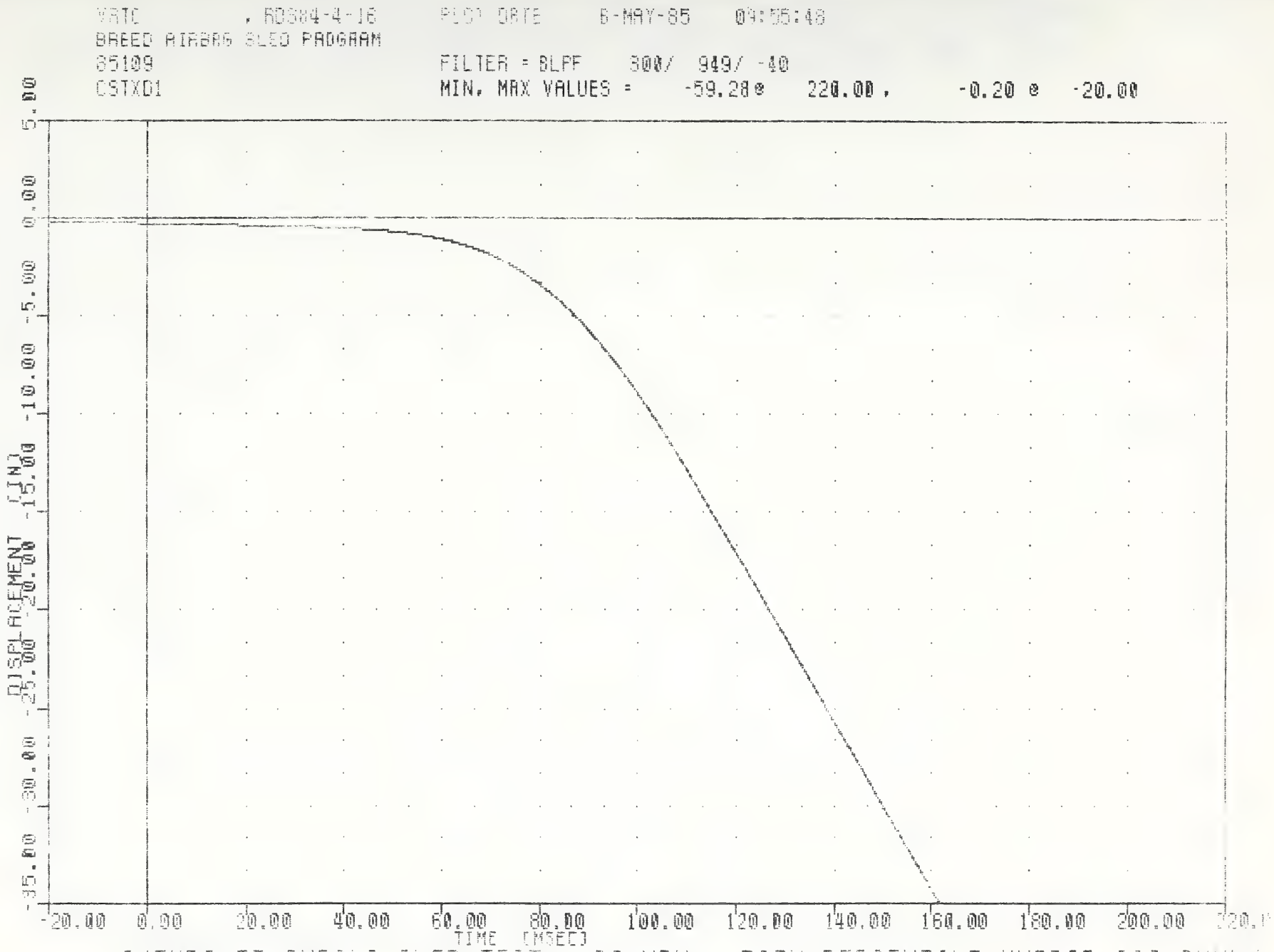
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS



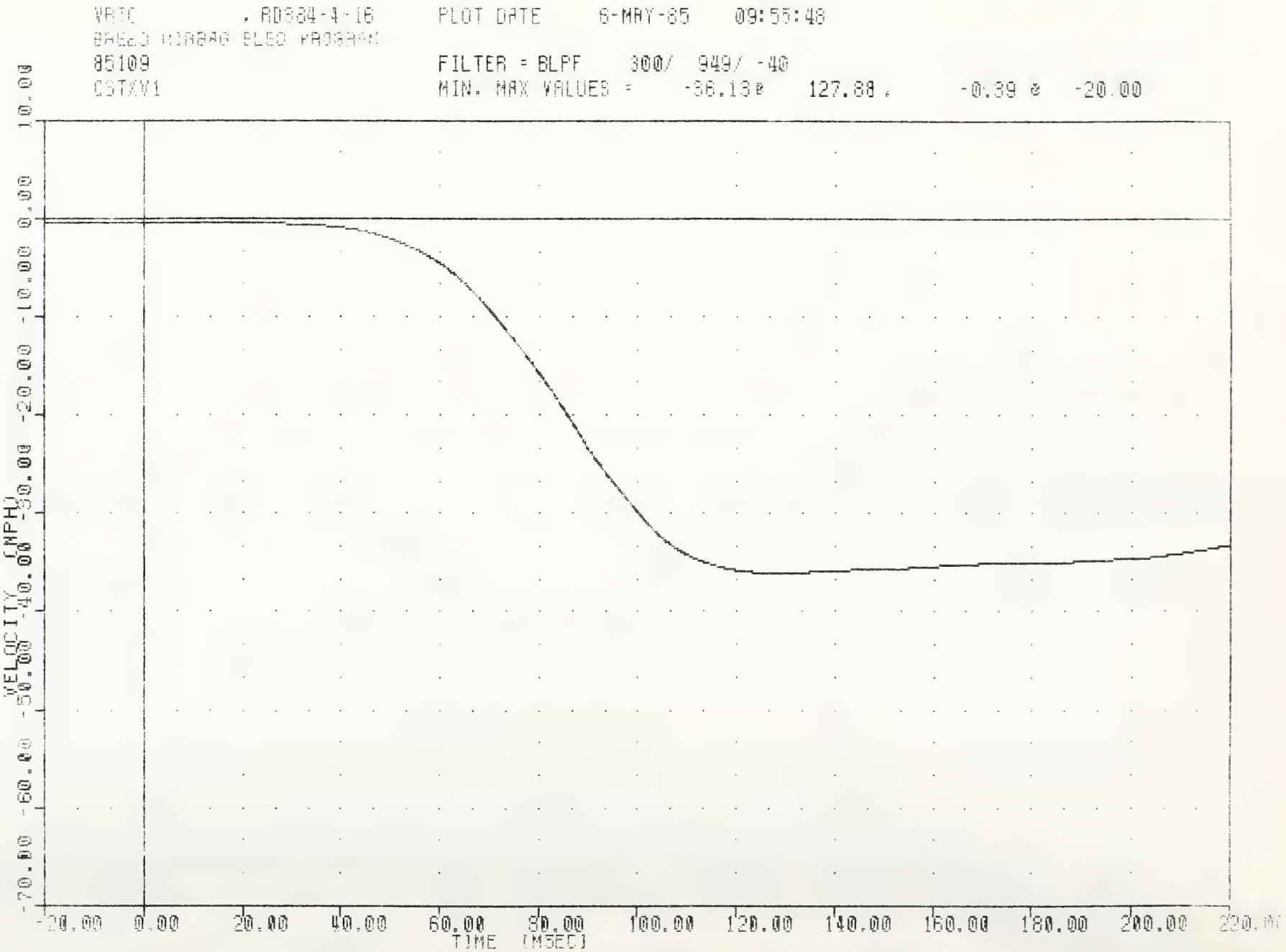
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)



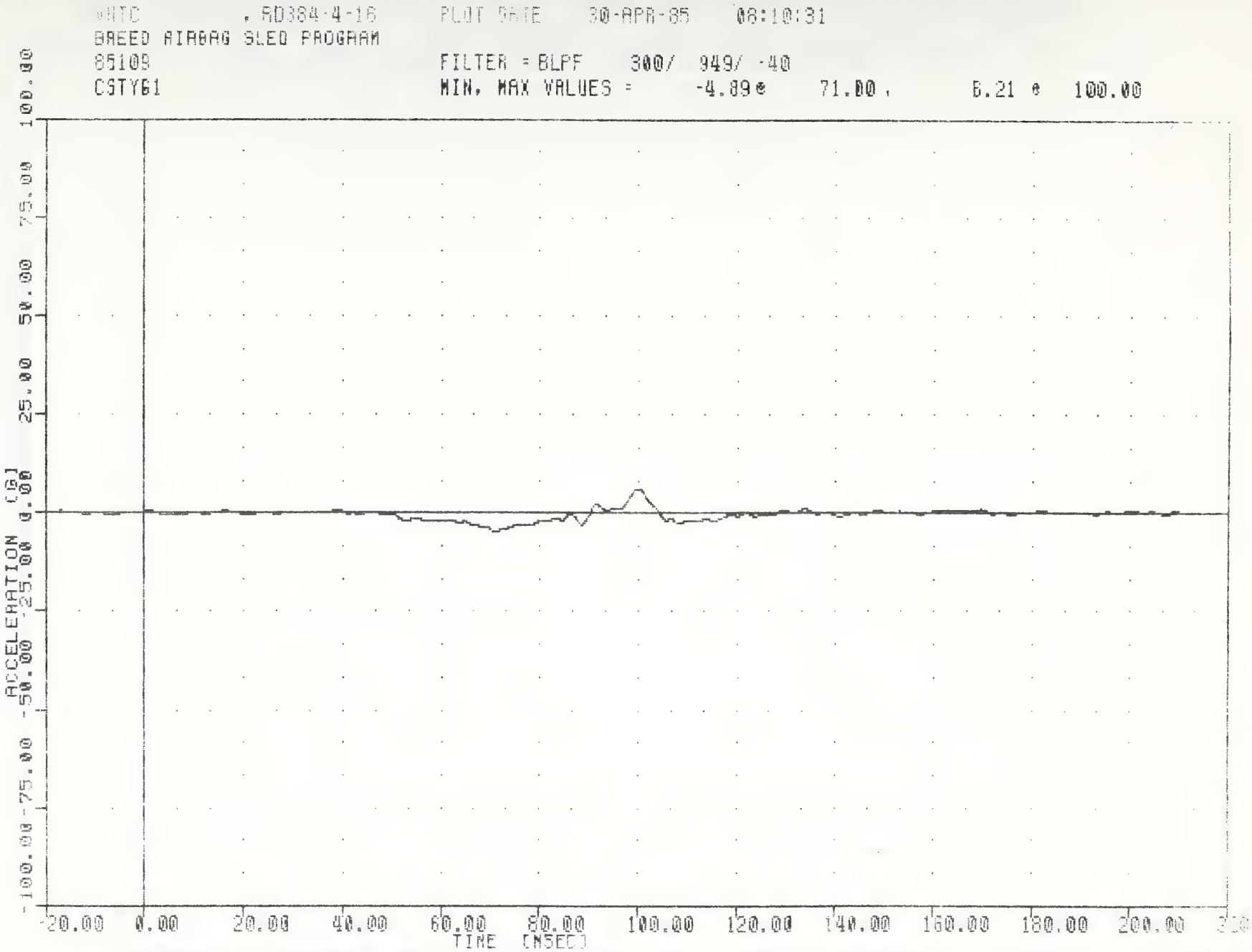
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION



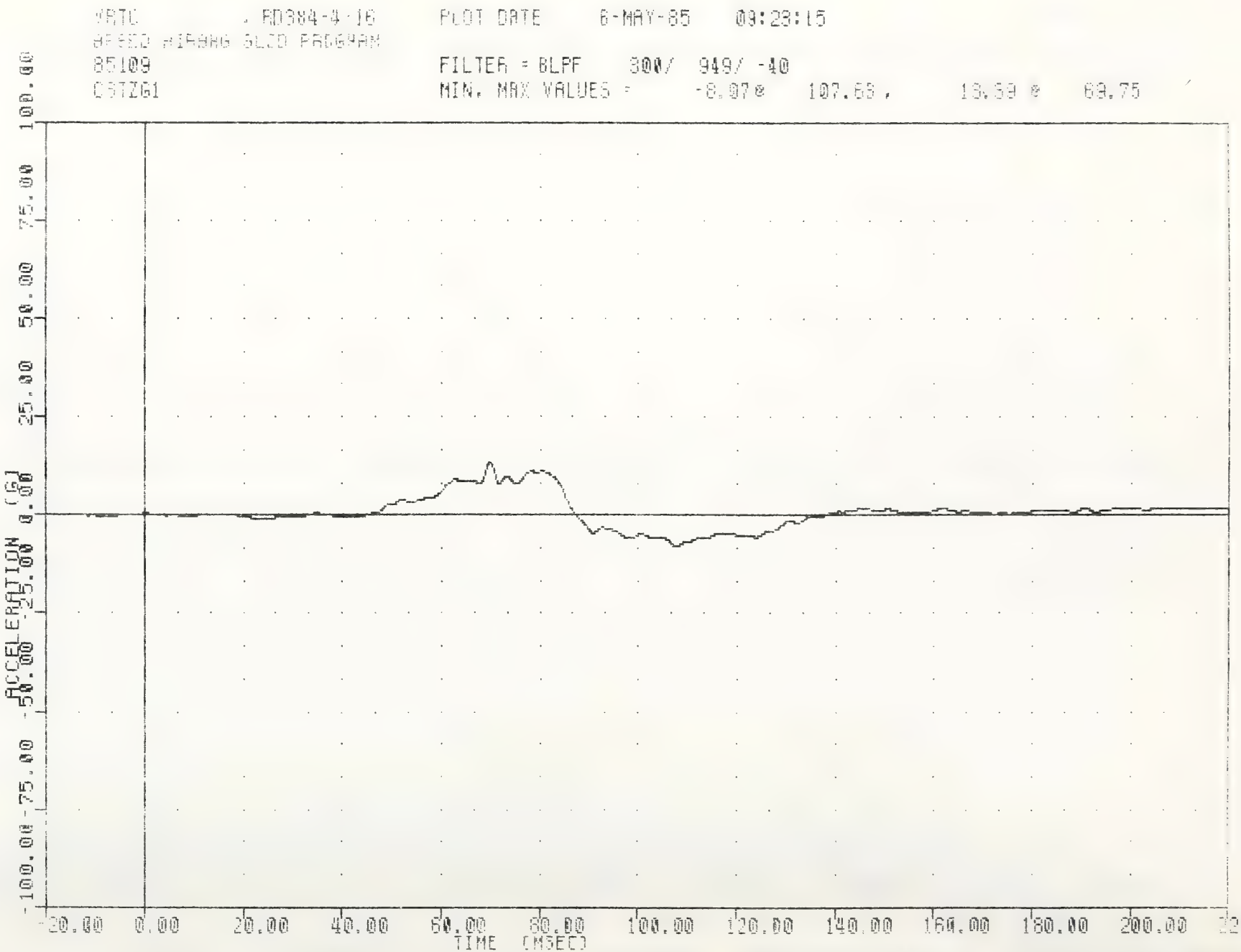
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DATA USING CSTXV1



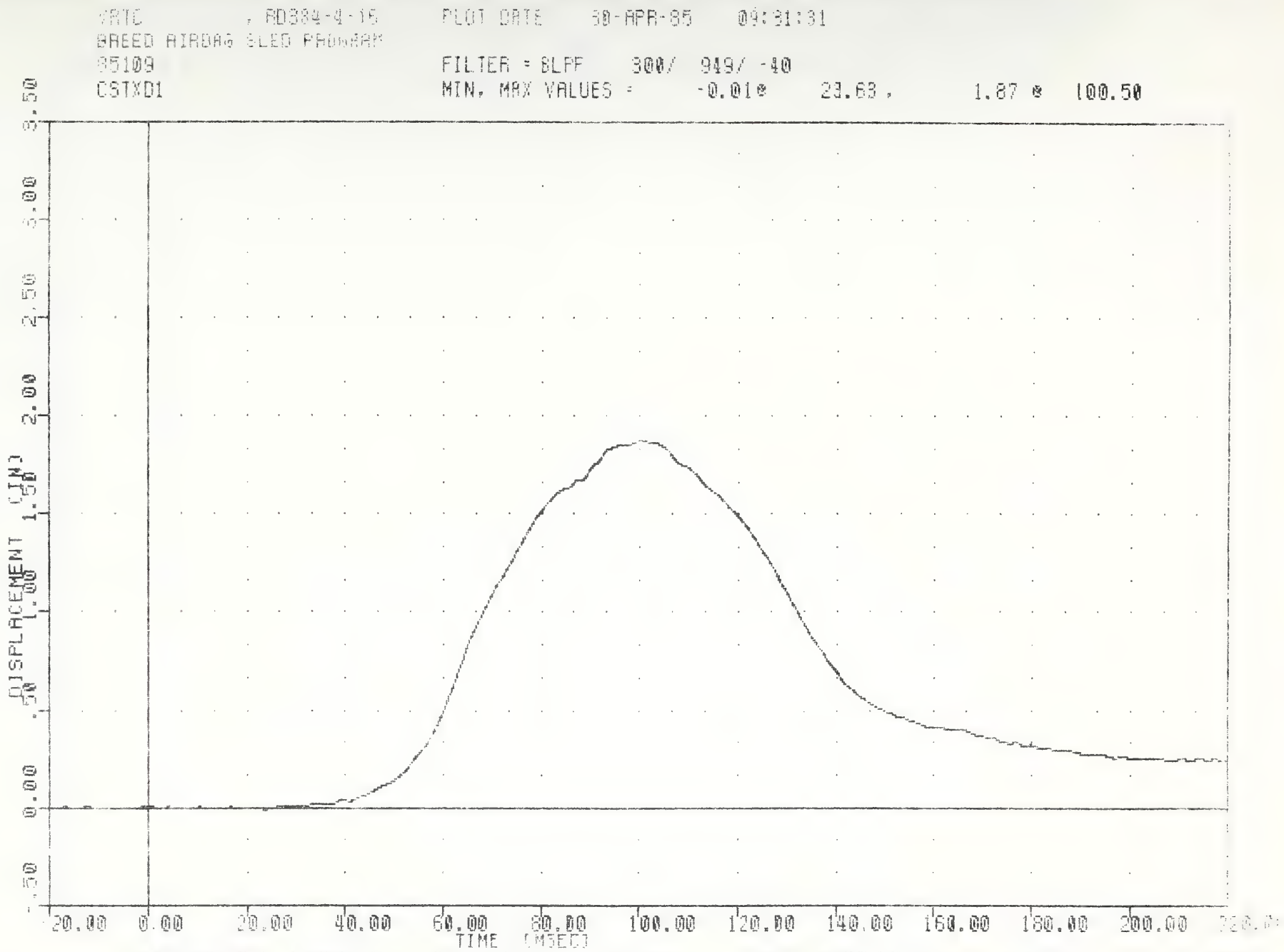
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DELTA V USING CSTXW1



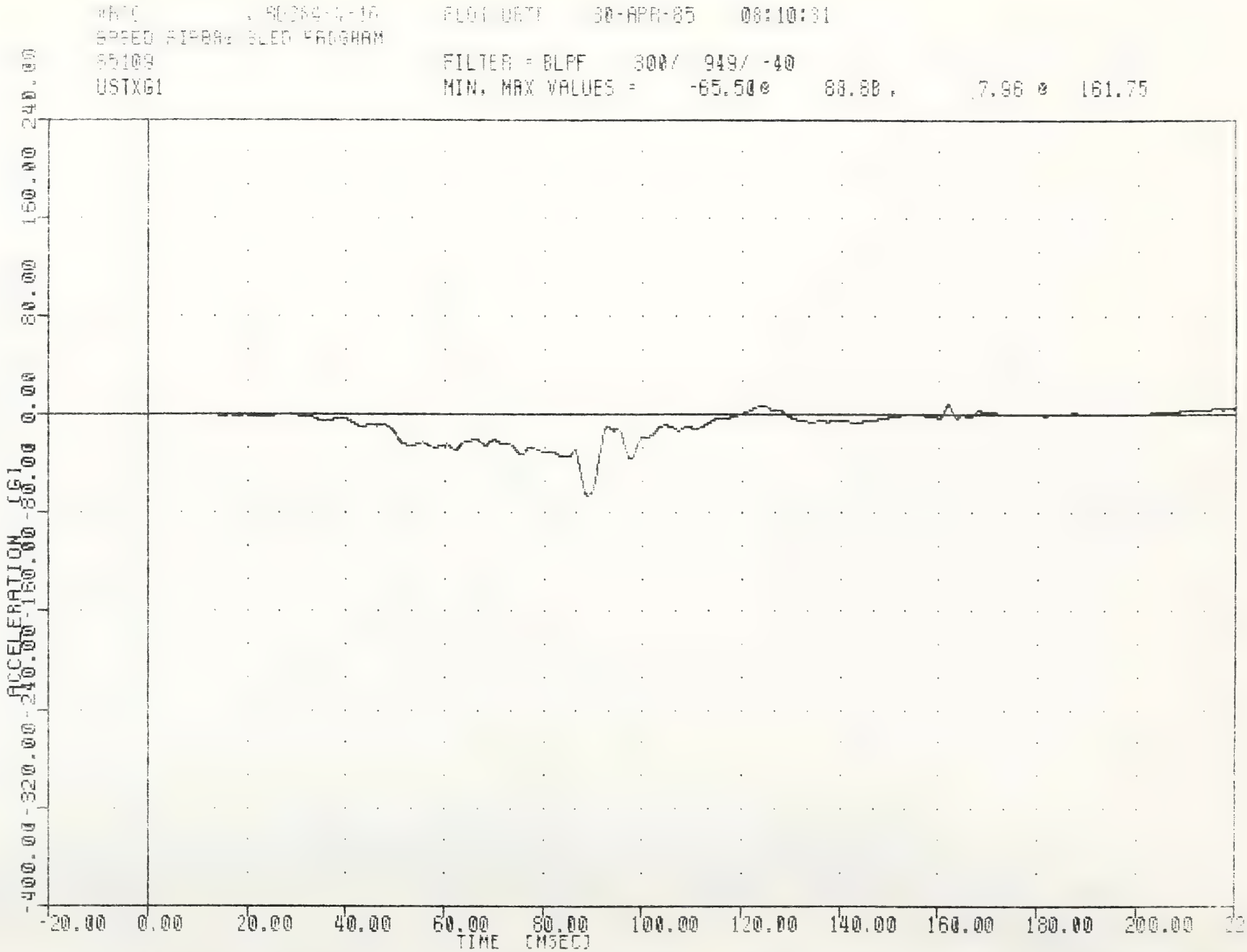
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DM
DRIVER CHEST ACCELERATION - RMS



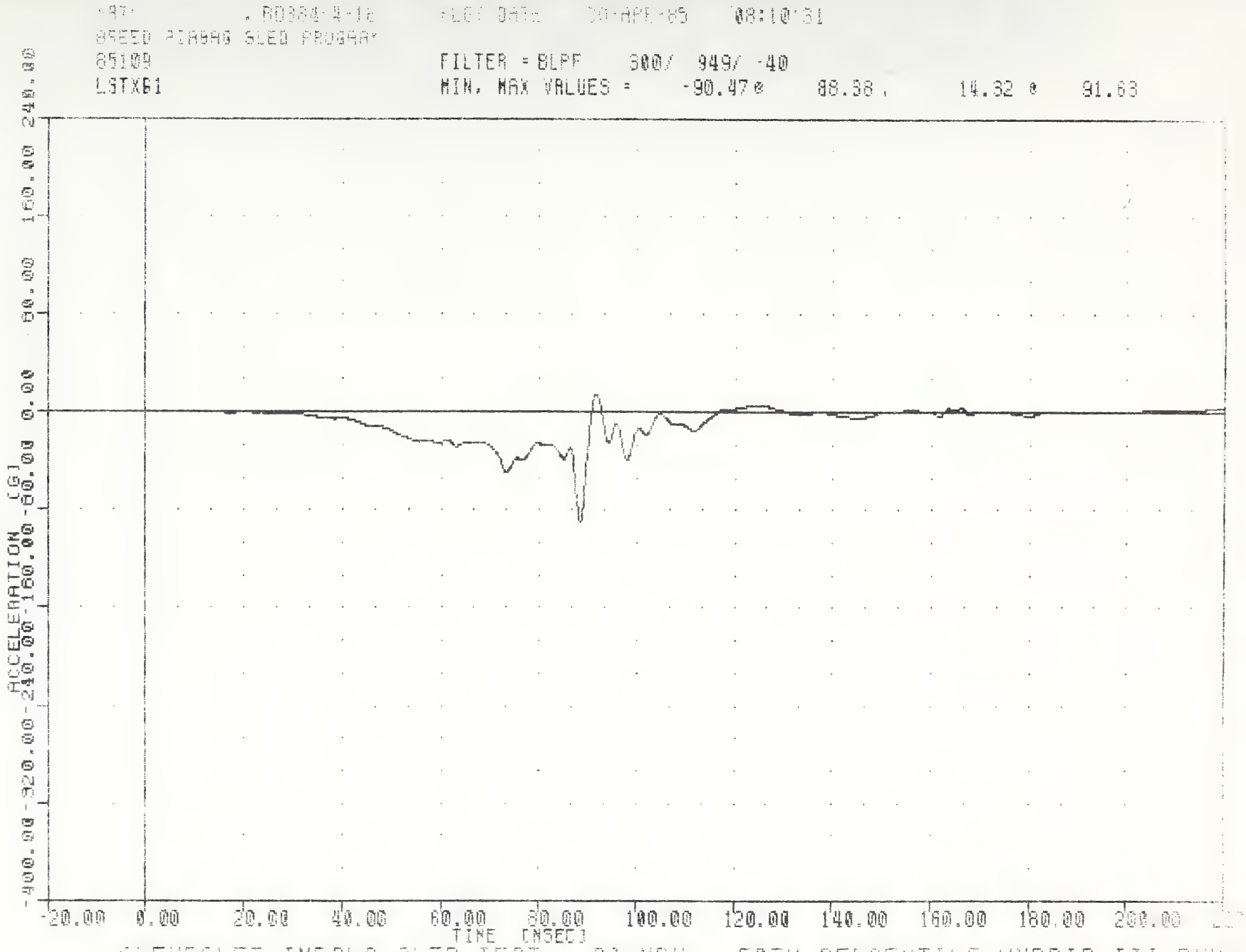
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUMMY
IN 12 (HEAD ACCELERATION)



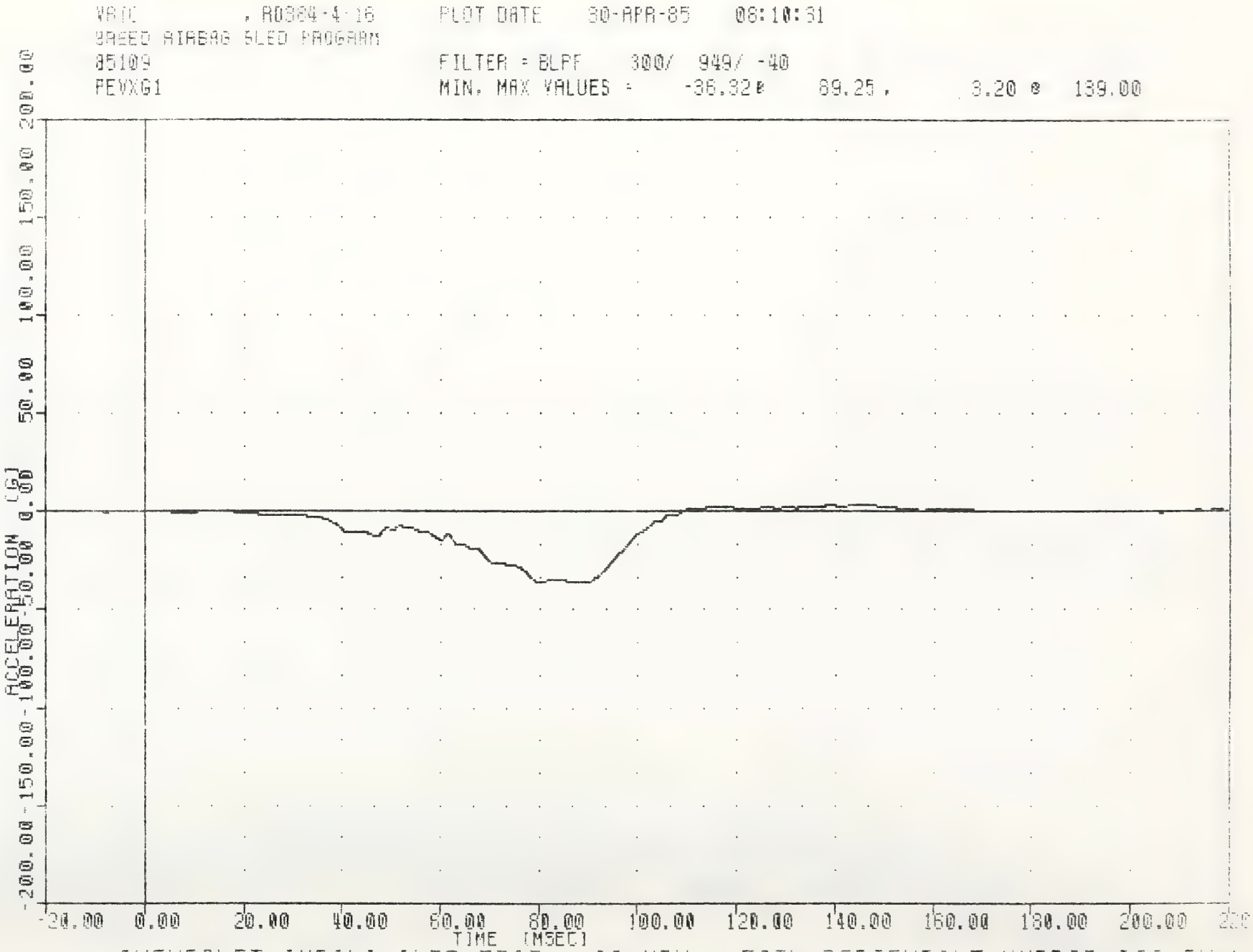
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST DISPLACEMENT INCHES



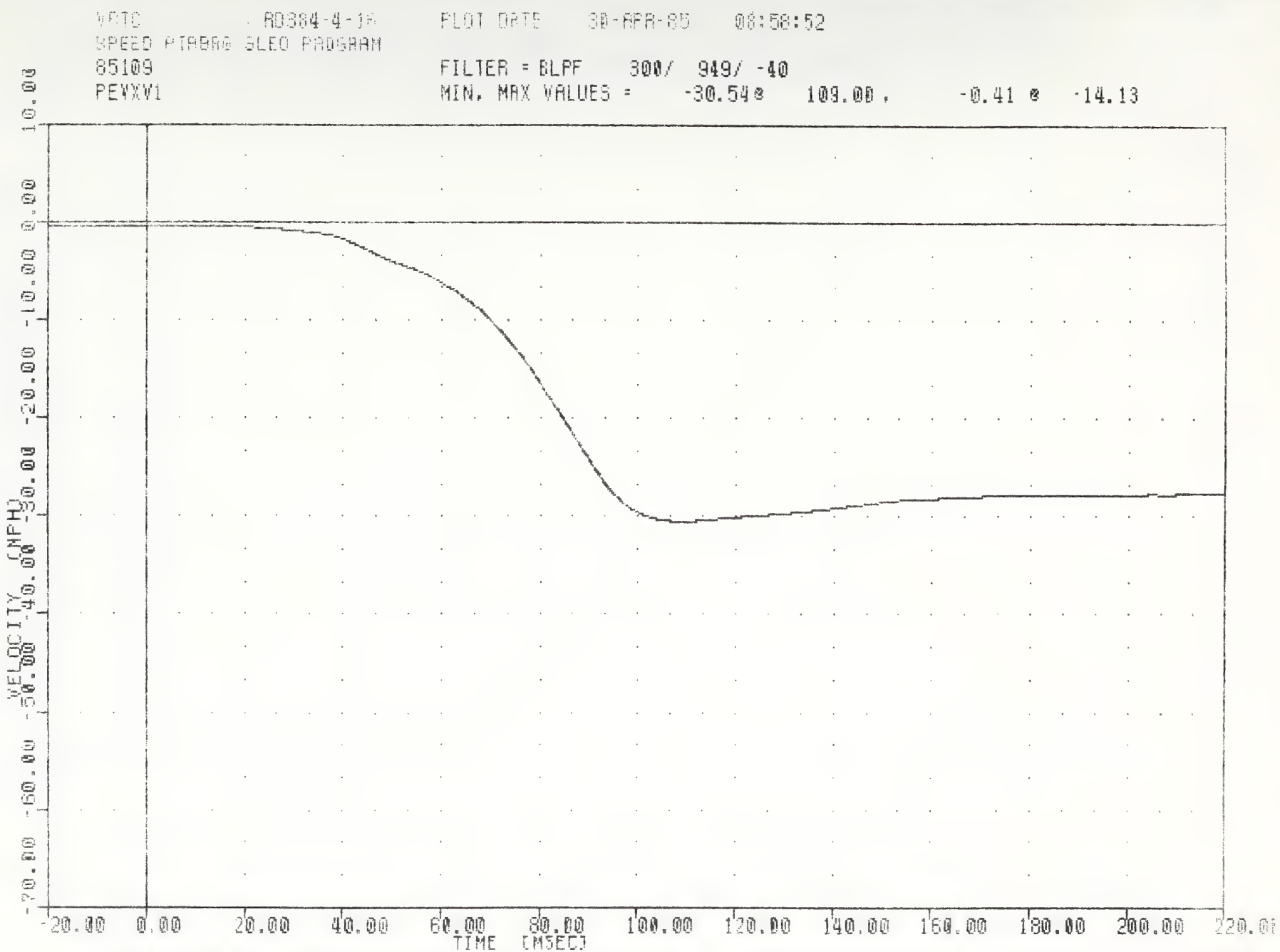
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION Y AXIS



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

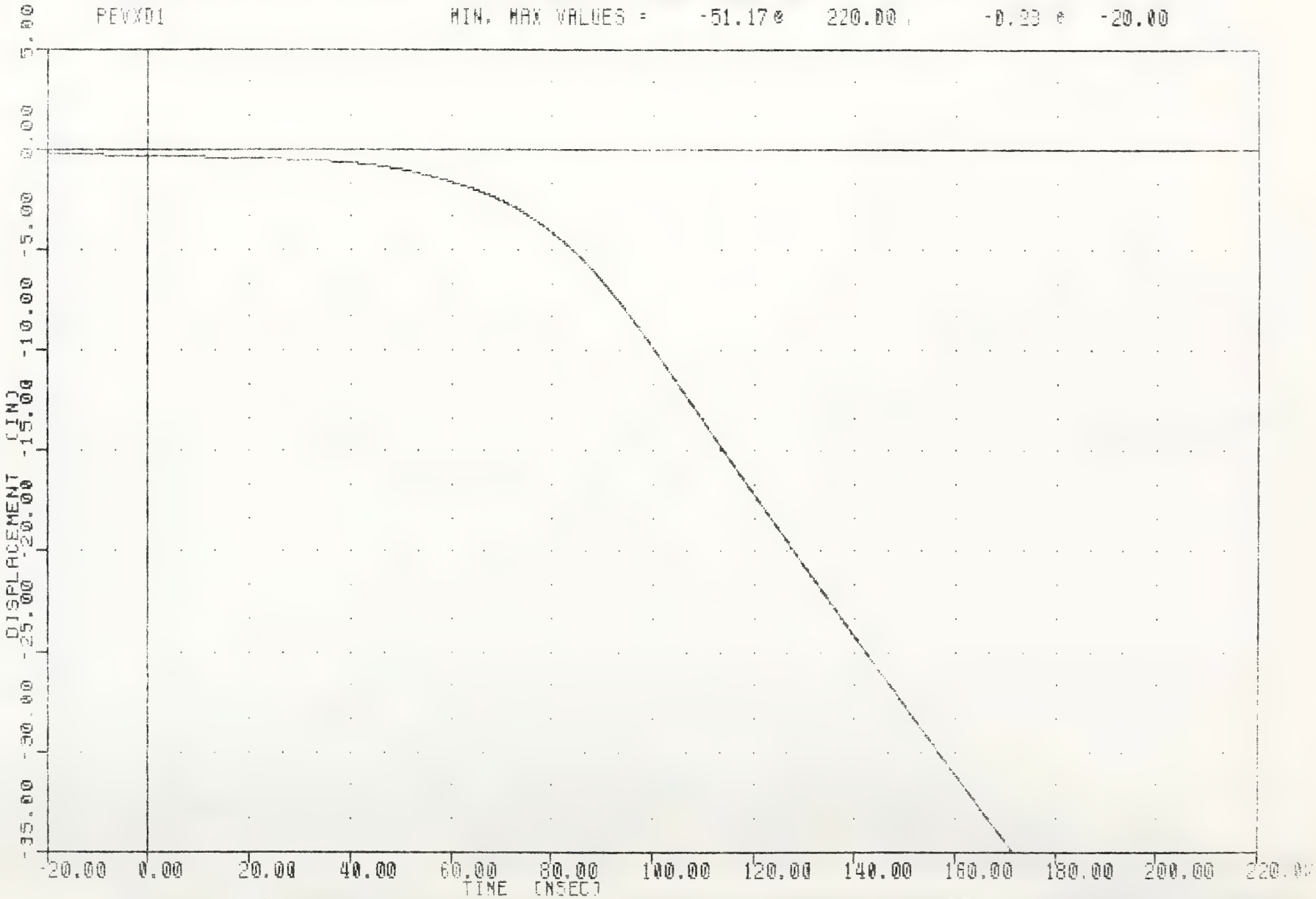


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM

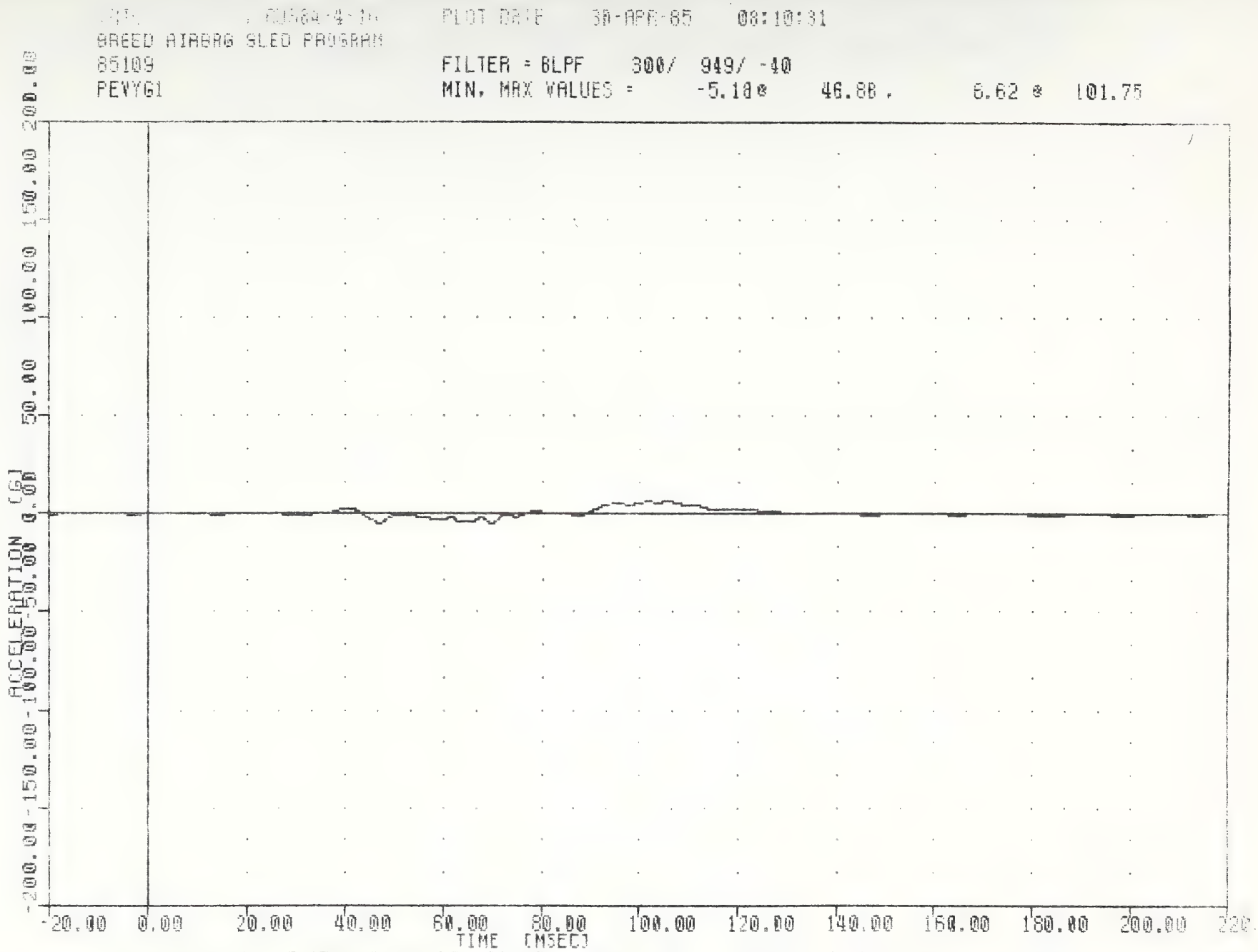


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PERSI

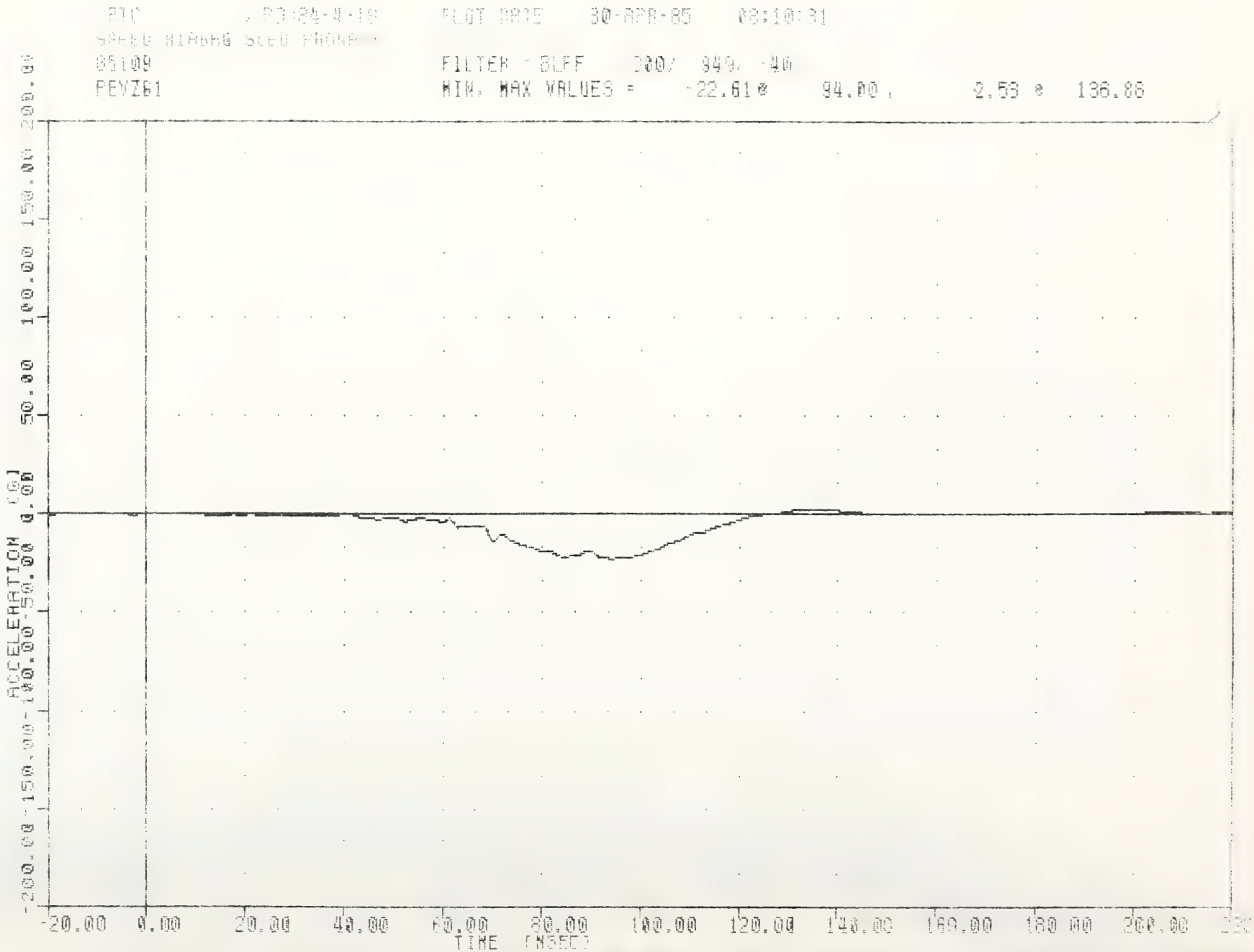
VRTC , R0584-4-18 PLOT DATE 30-APR-85 08:58:52
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 300/ 949/ -40
PEVXD1 MIN. MAX VALUES = -51.17@ 220.00 , -0.23 @ -20.00

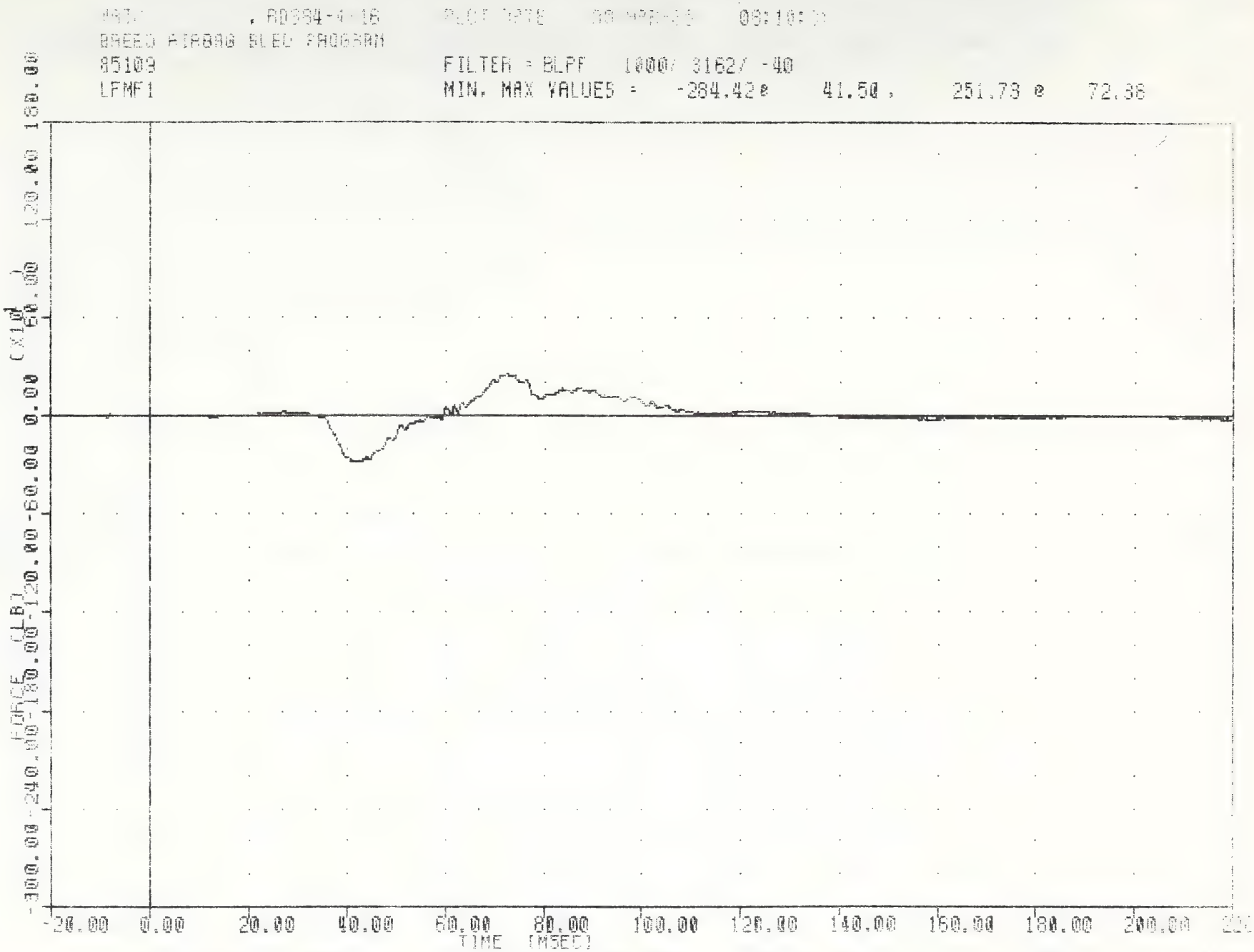


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

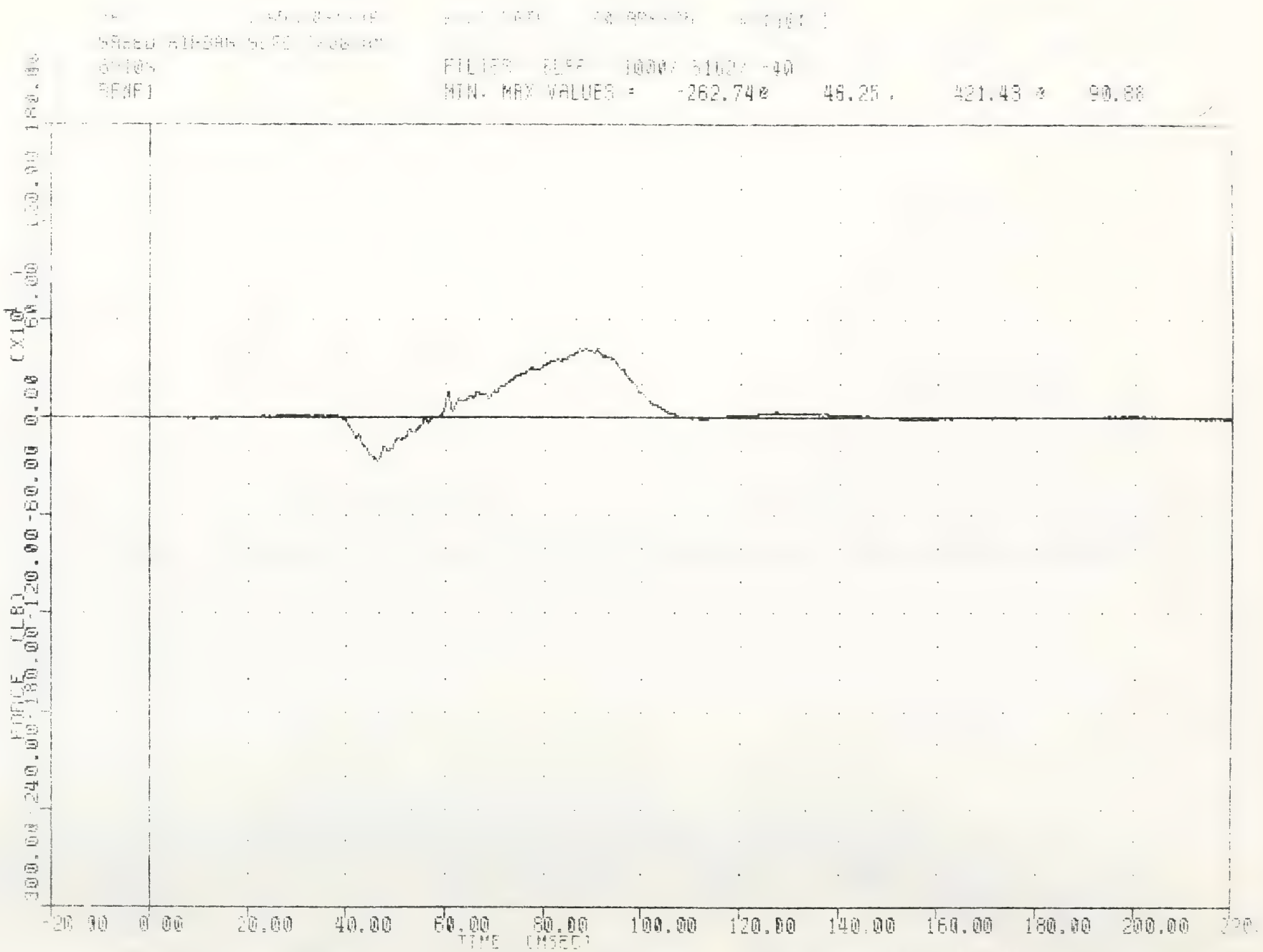


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

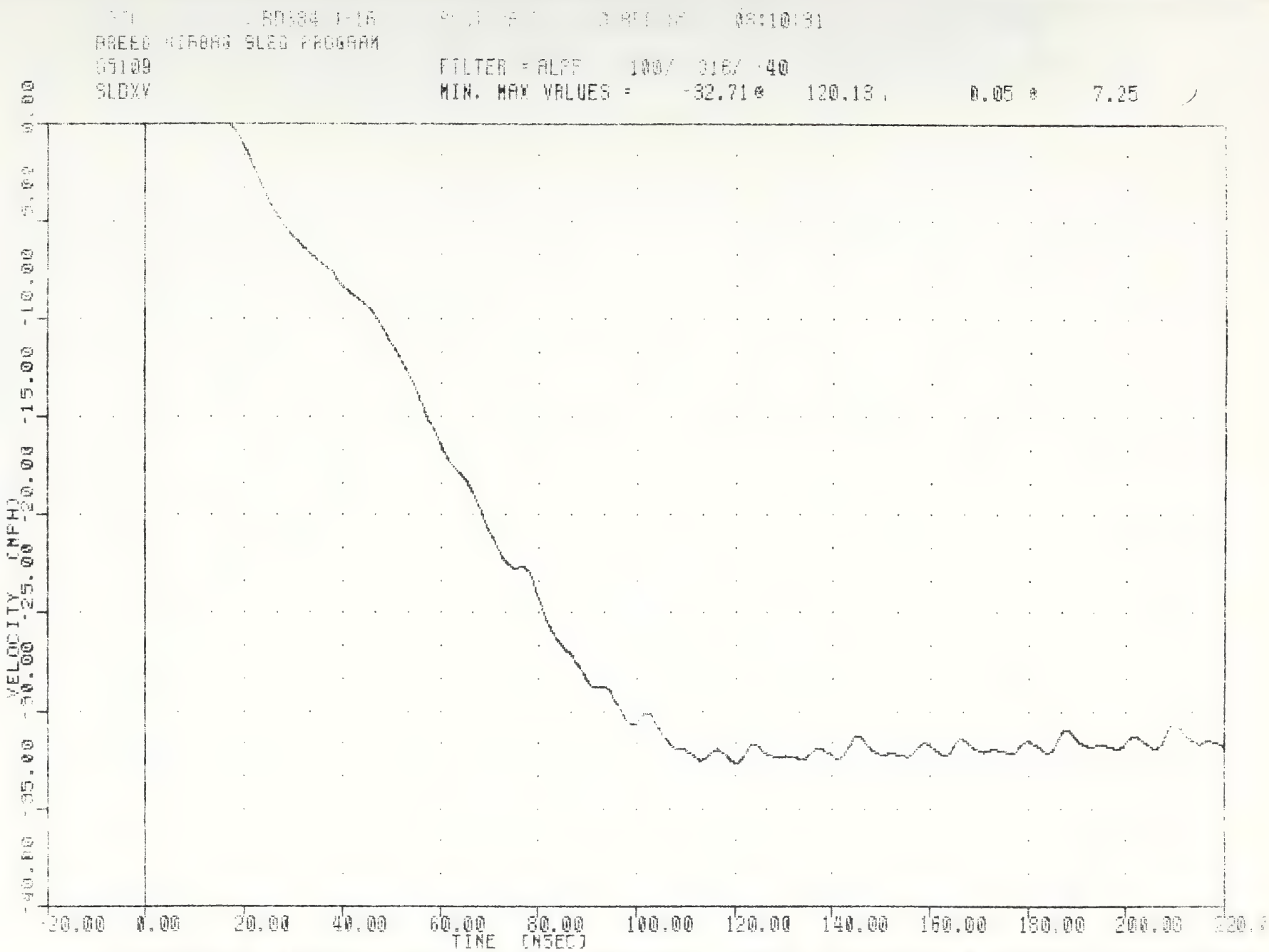

PLOT DATE 30-APR-85 08:10:31
85109
FILTER - SLED
MIN. MAX VALUES = -22.61@ 94.00 , 2.53 @ 136.86
ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME (MSEC)



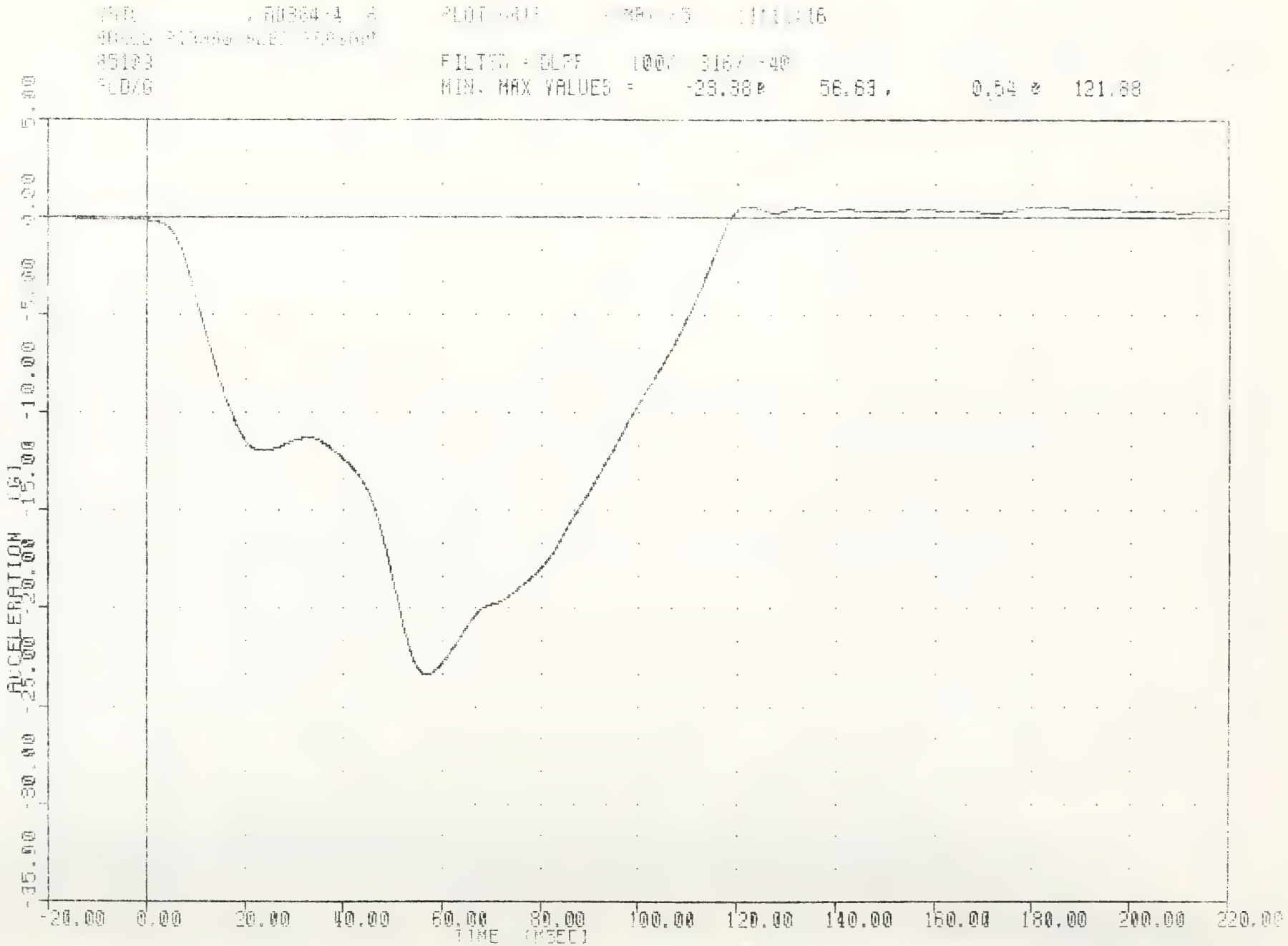
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT FEMUR FORCE



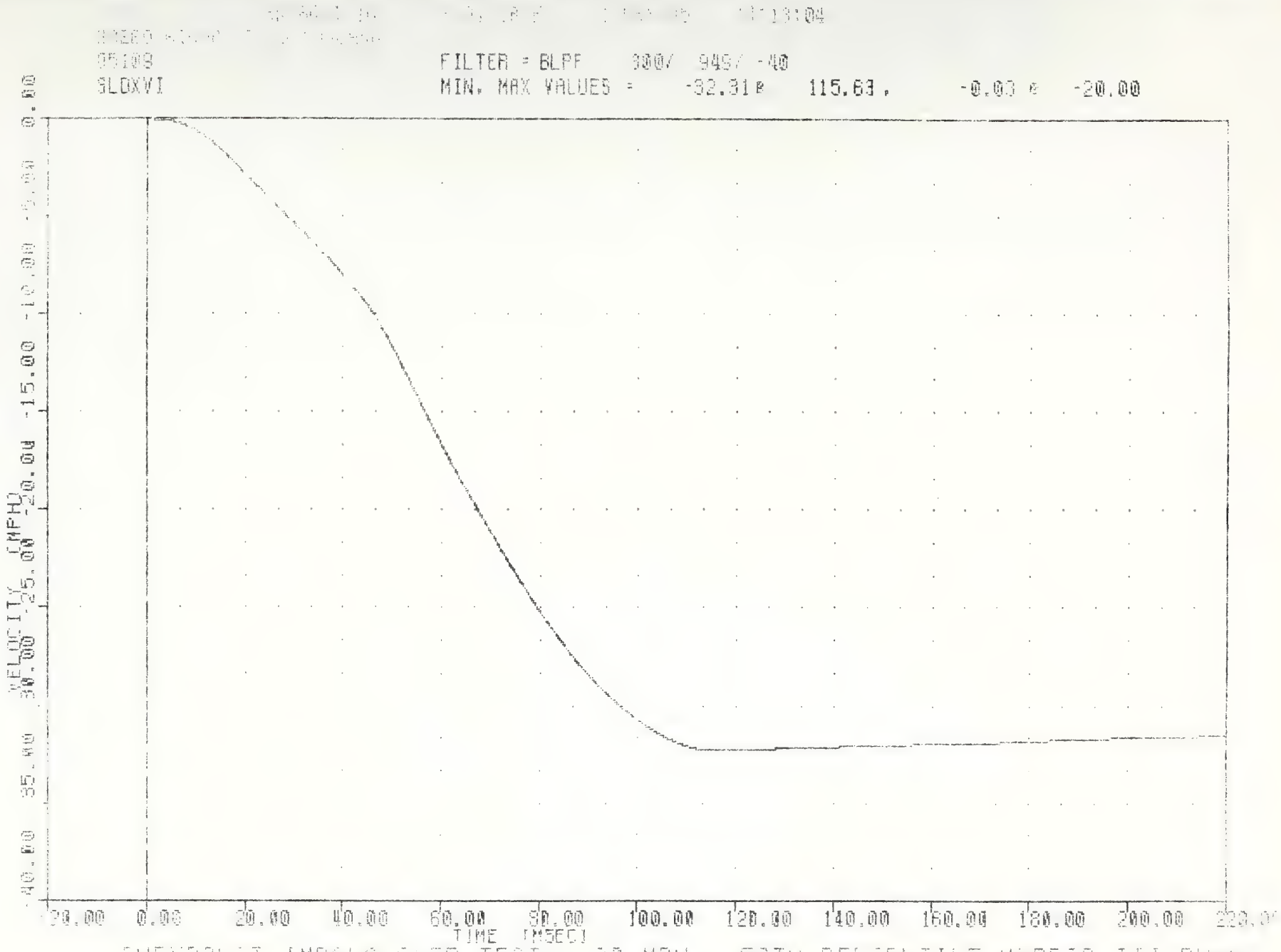
CHEVROLET TRUCK SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



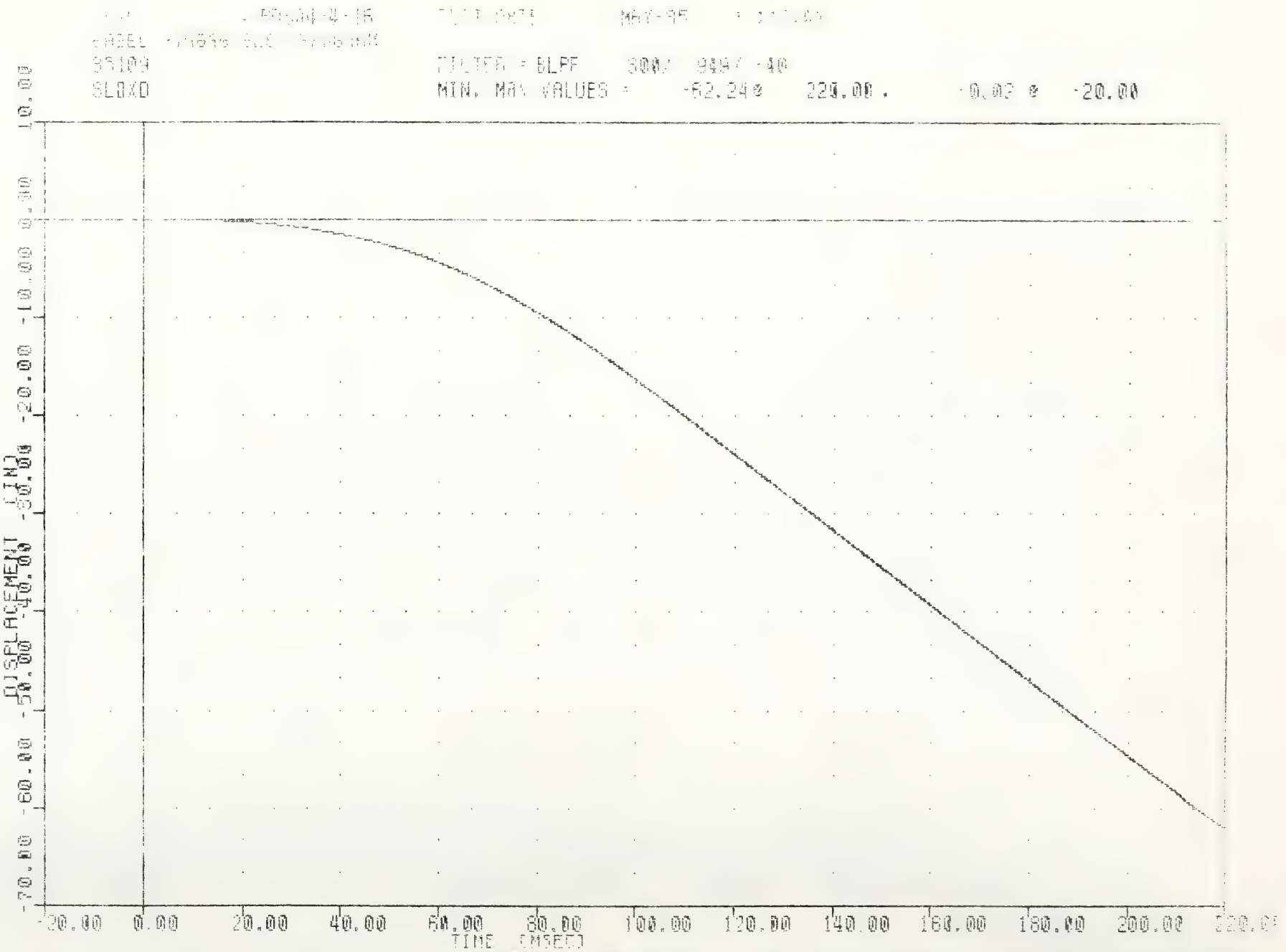
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY



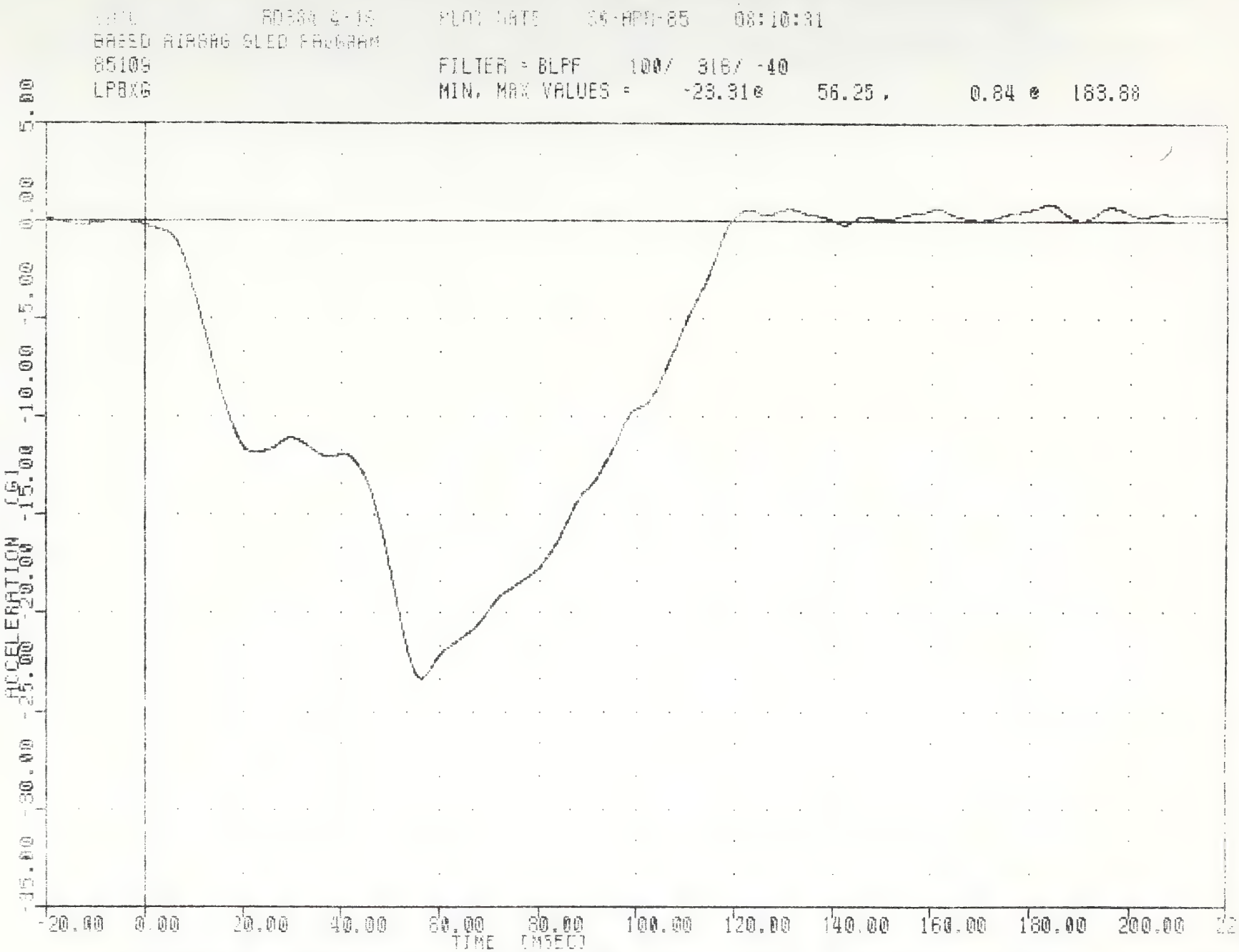
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



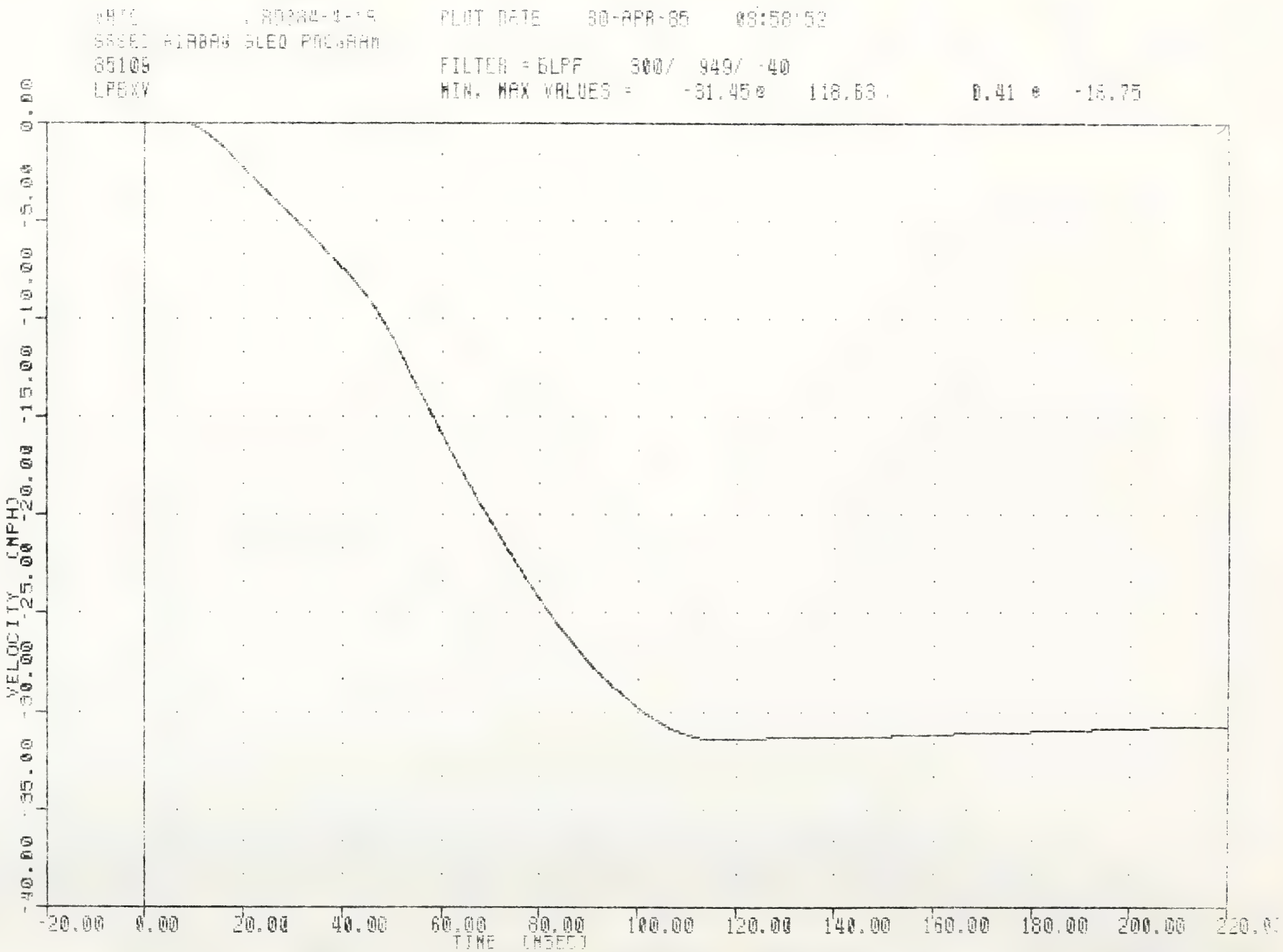
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

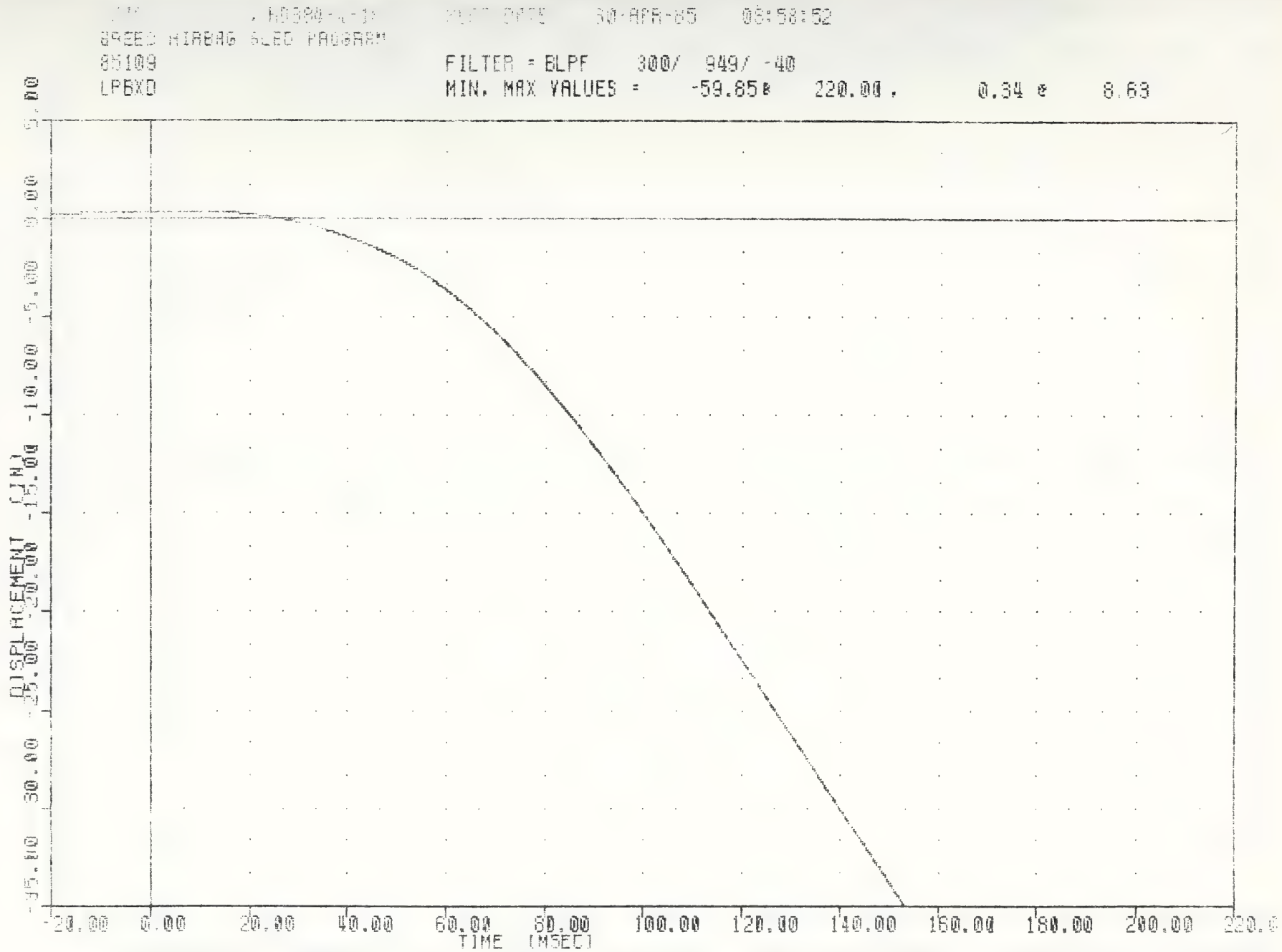


CHEVROLET INBOARD SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
FILTER LPF 3 ACCELERATION - AXIS

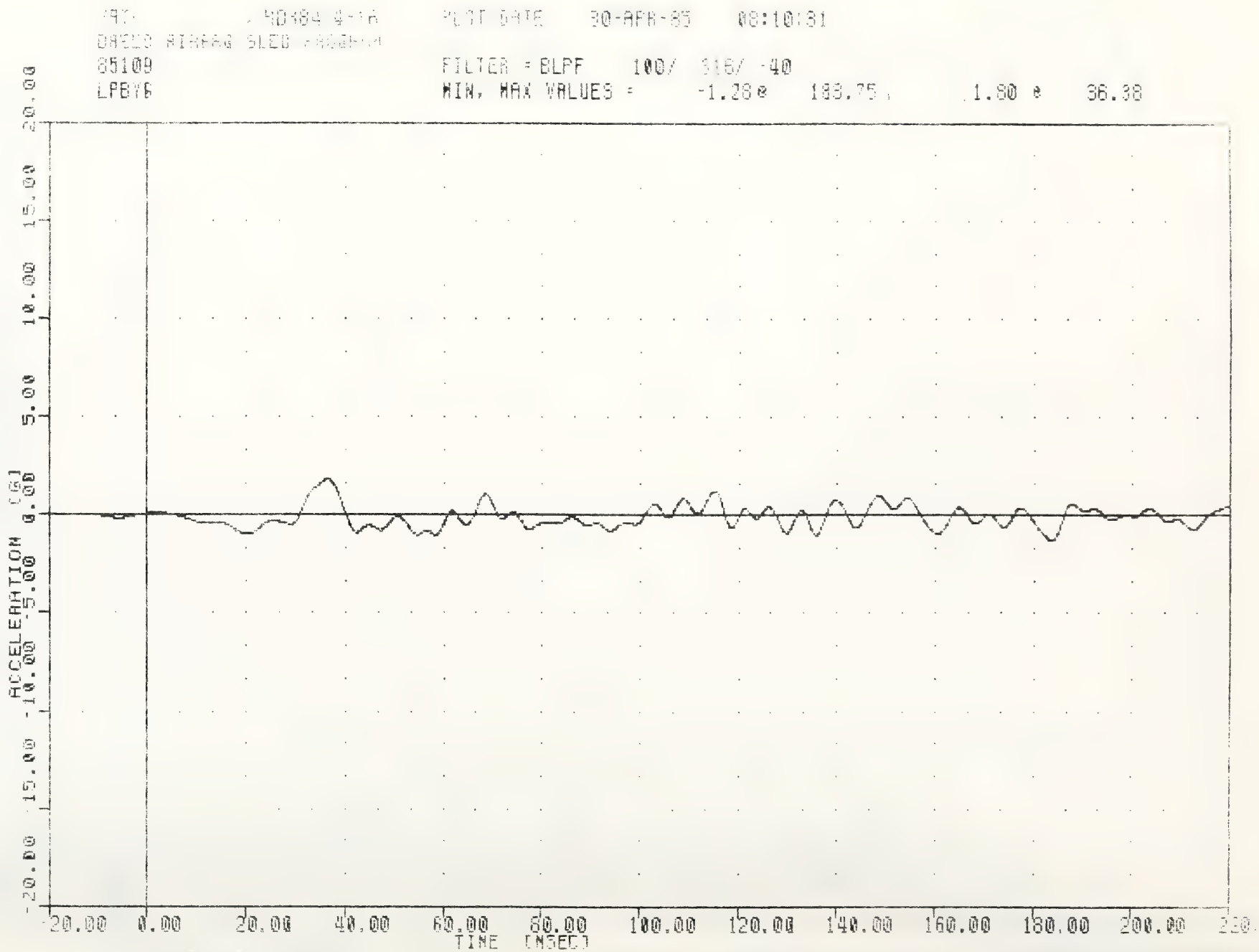


CHEVROLET IMPALA

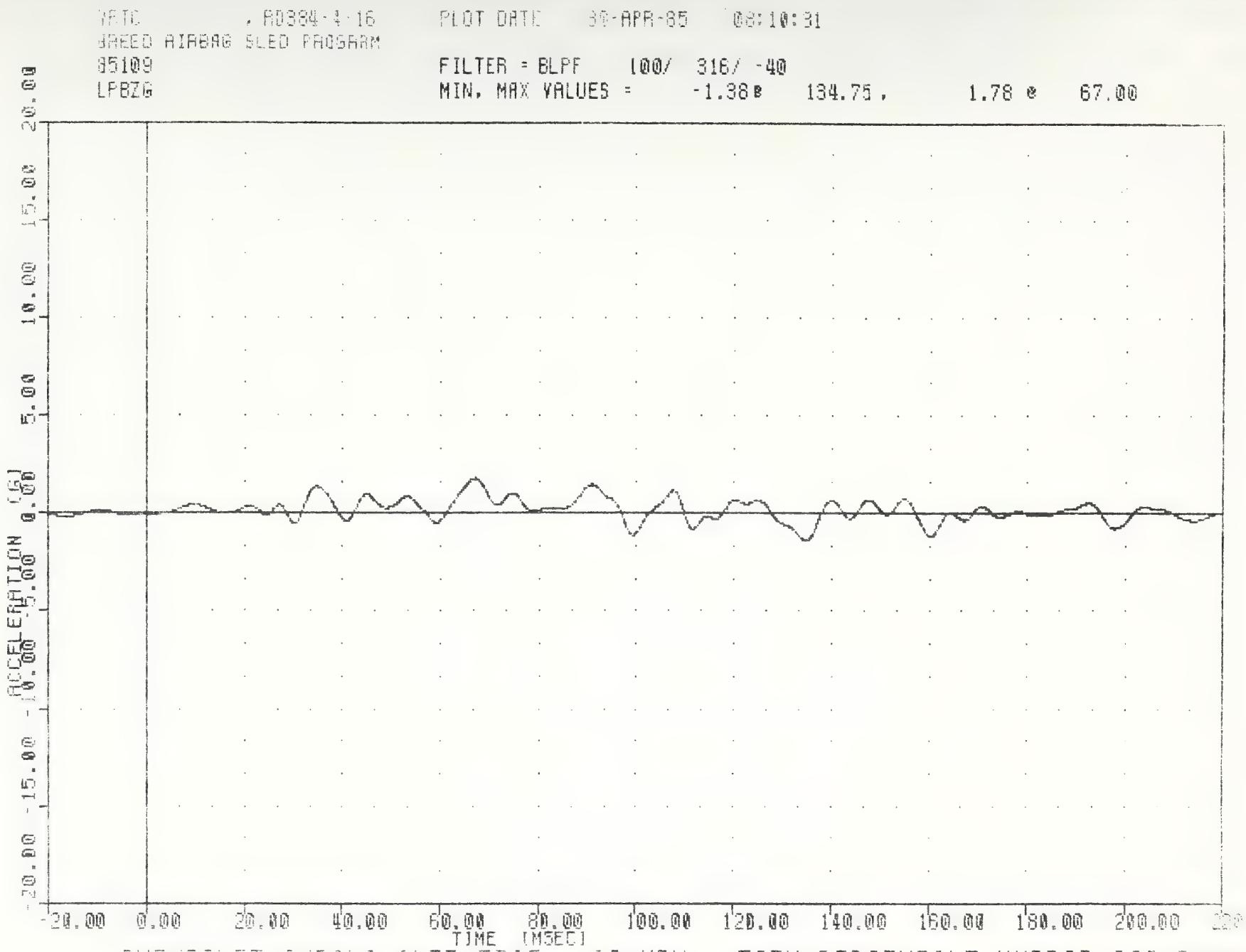
50TH PERCENTILE HYBRID III DUMMY



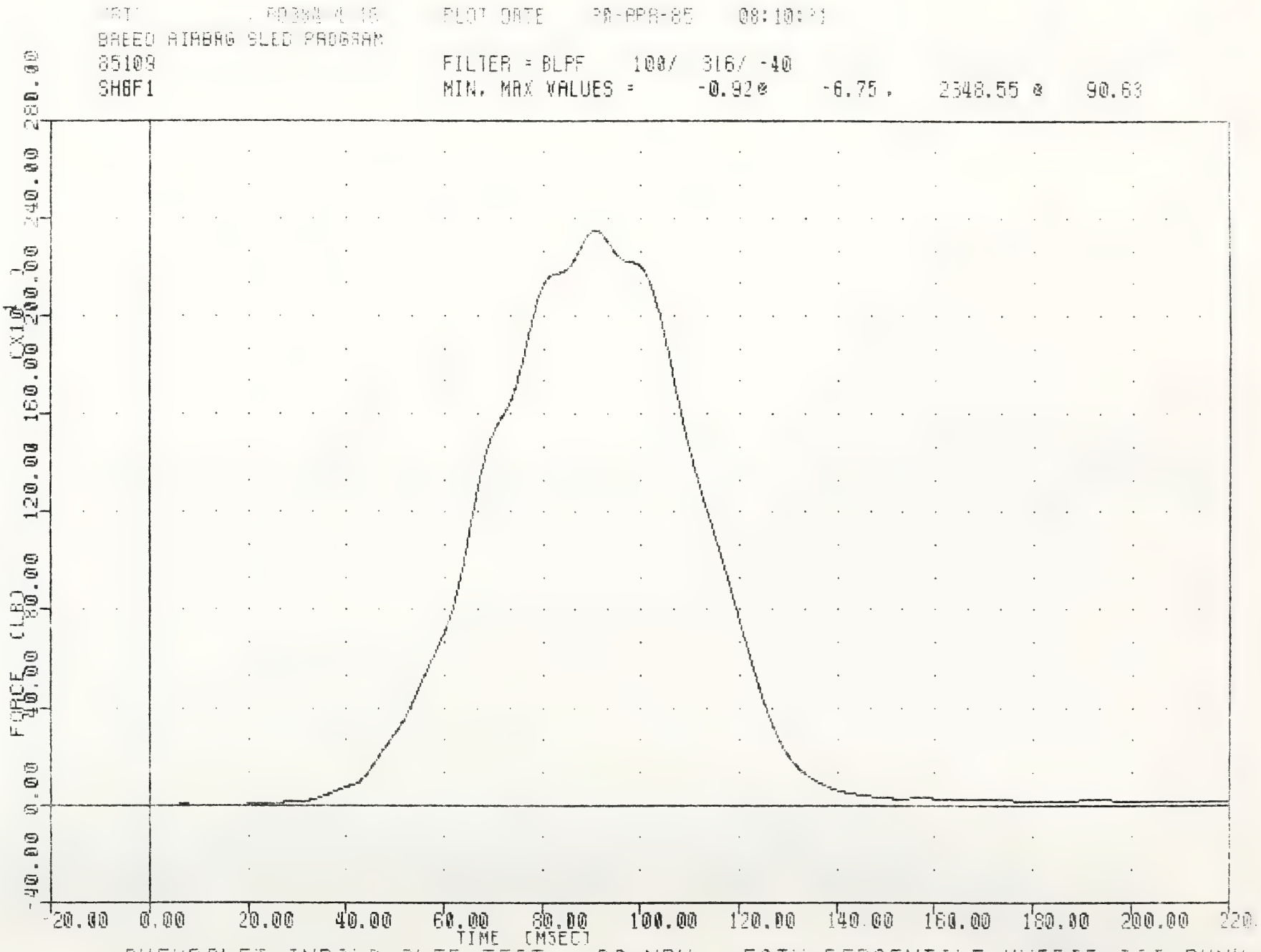
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING LPBXV



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM

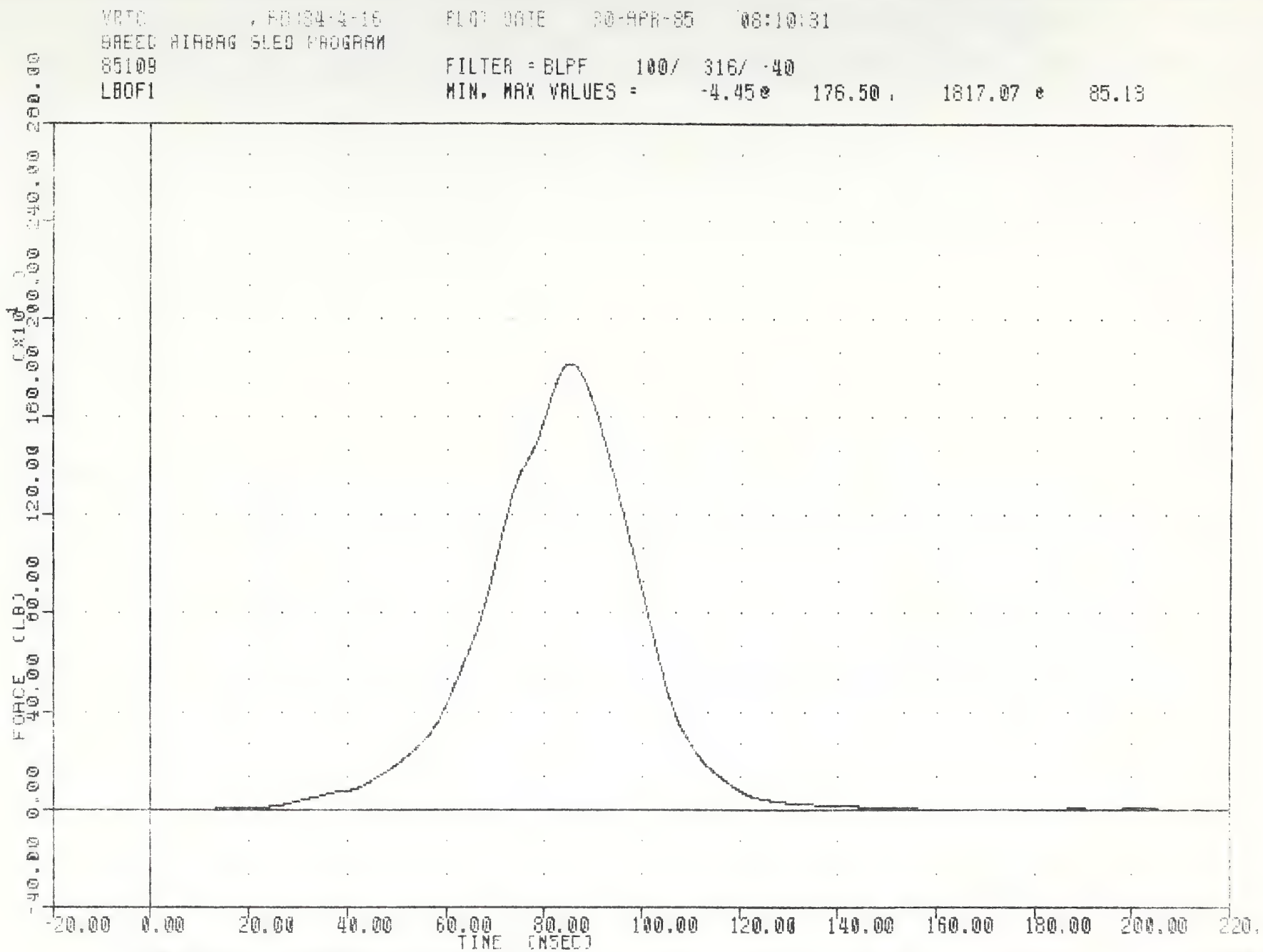


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

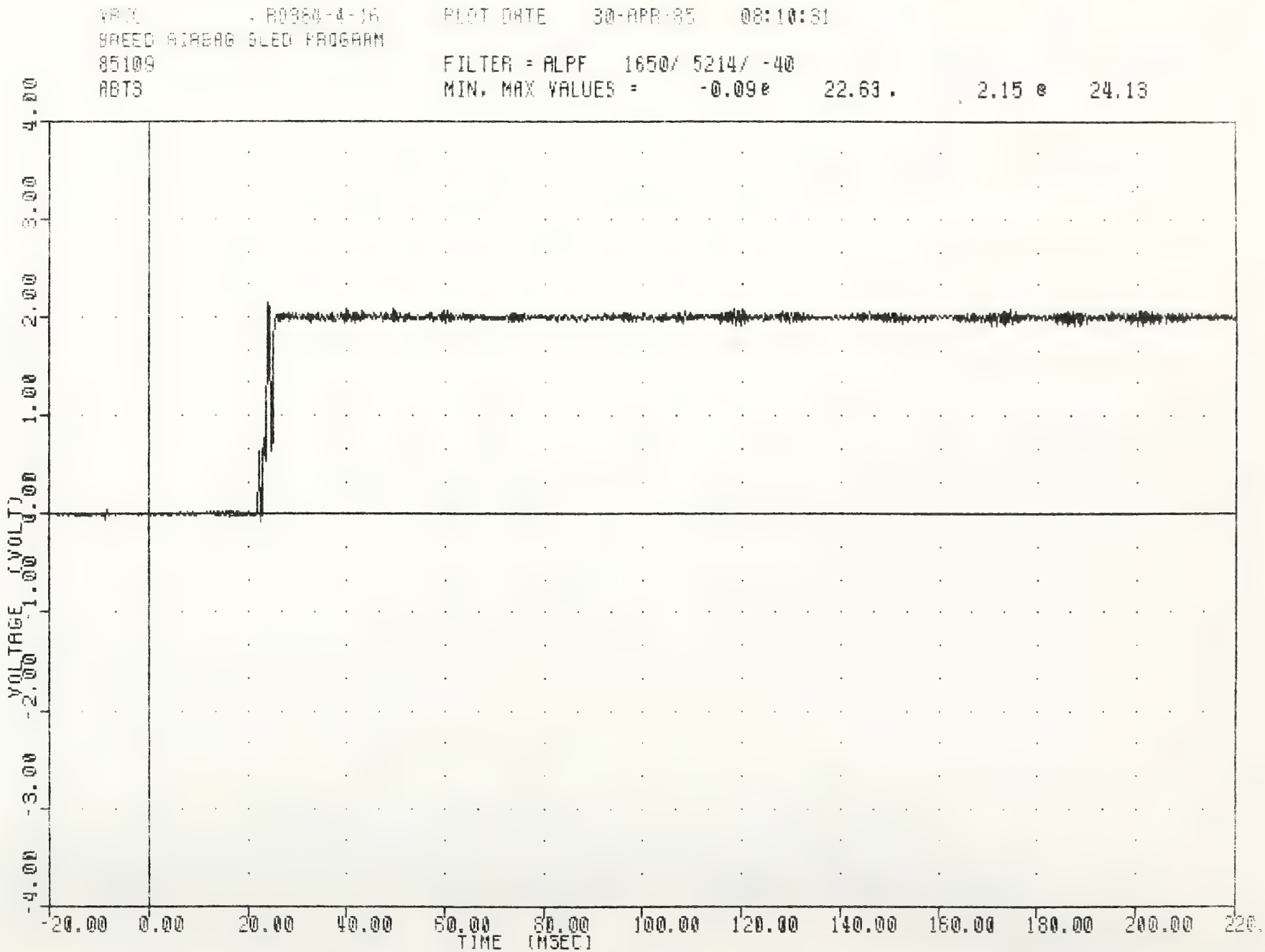


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM

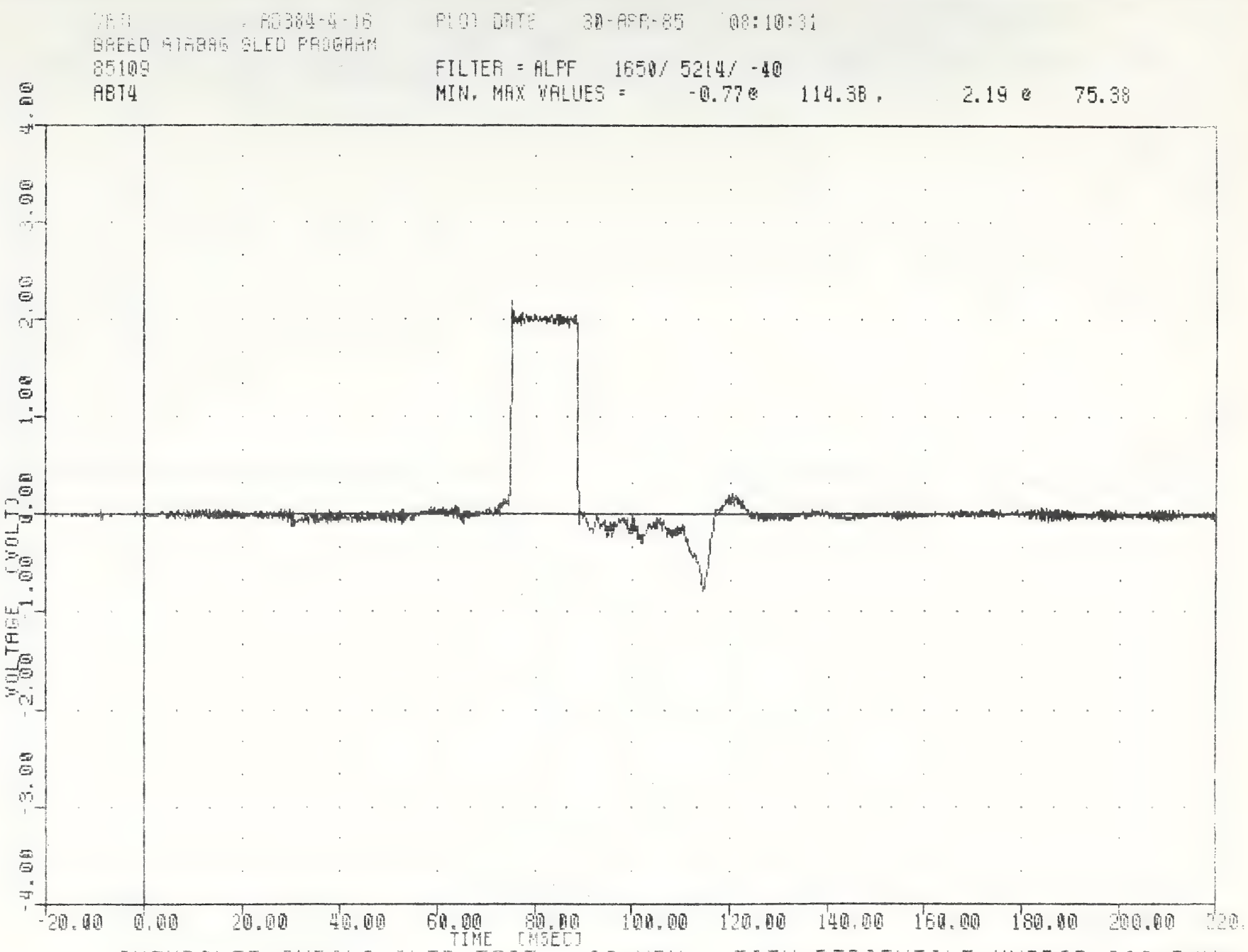
PRIMER SHOULDER BELT FORCE LBS



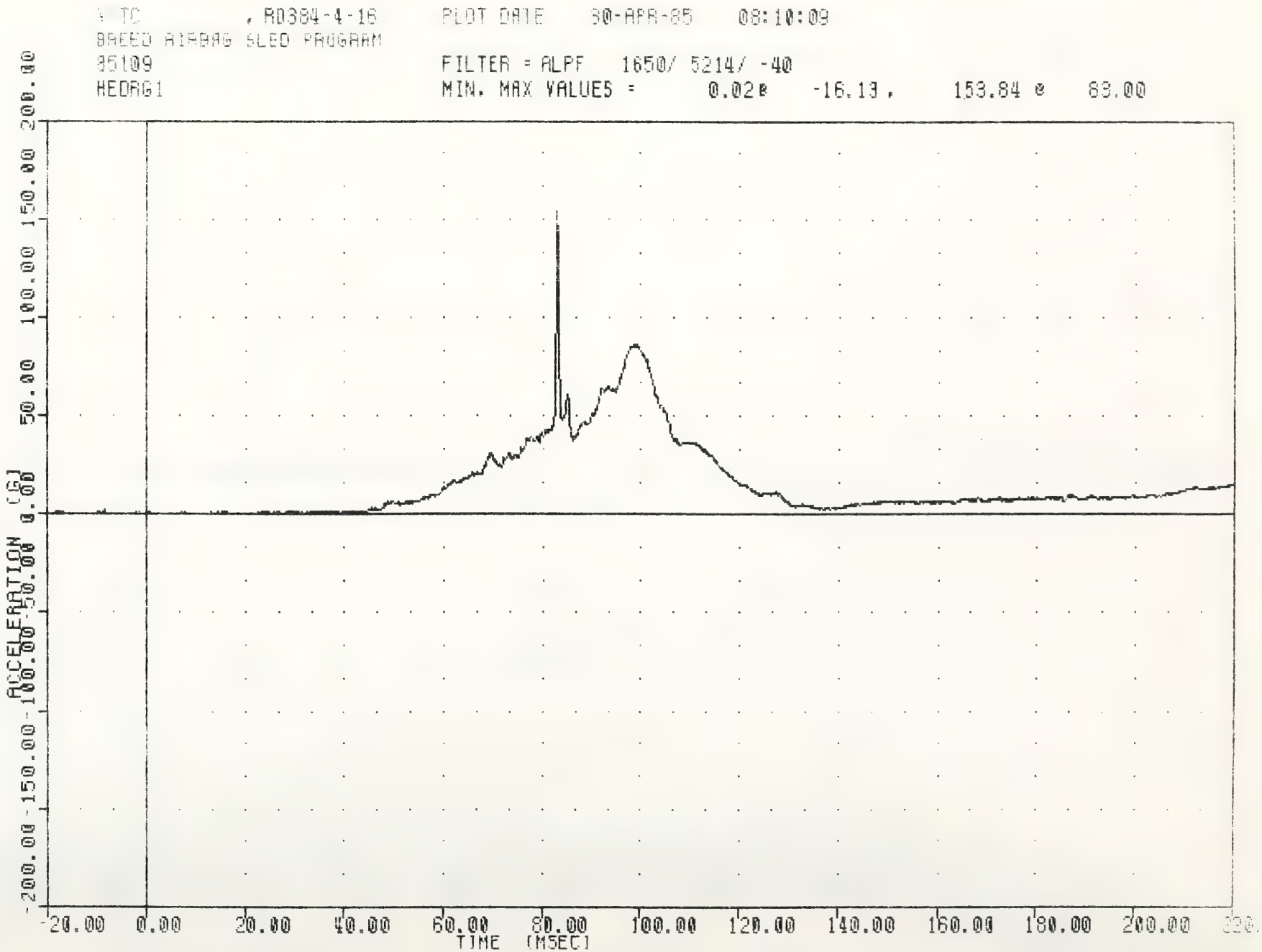
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LAP BELT FORCE LBS



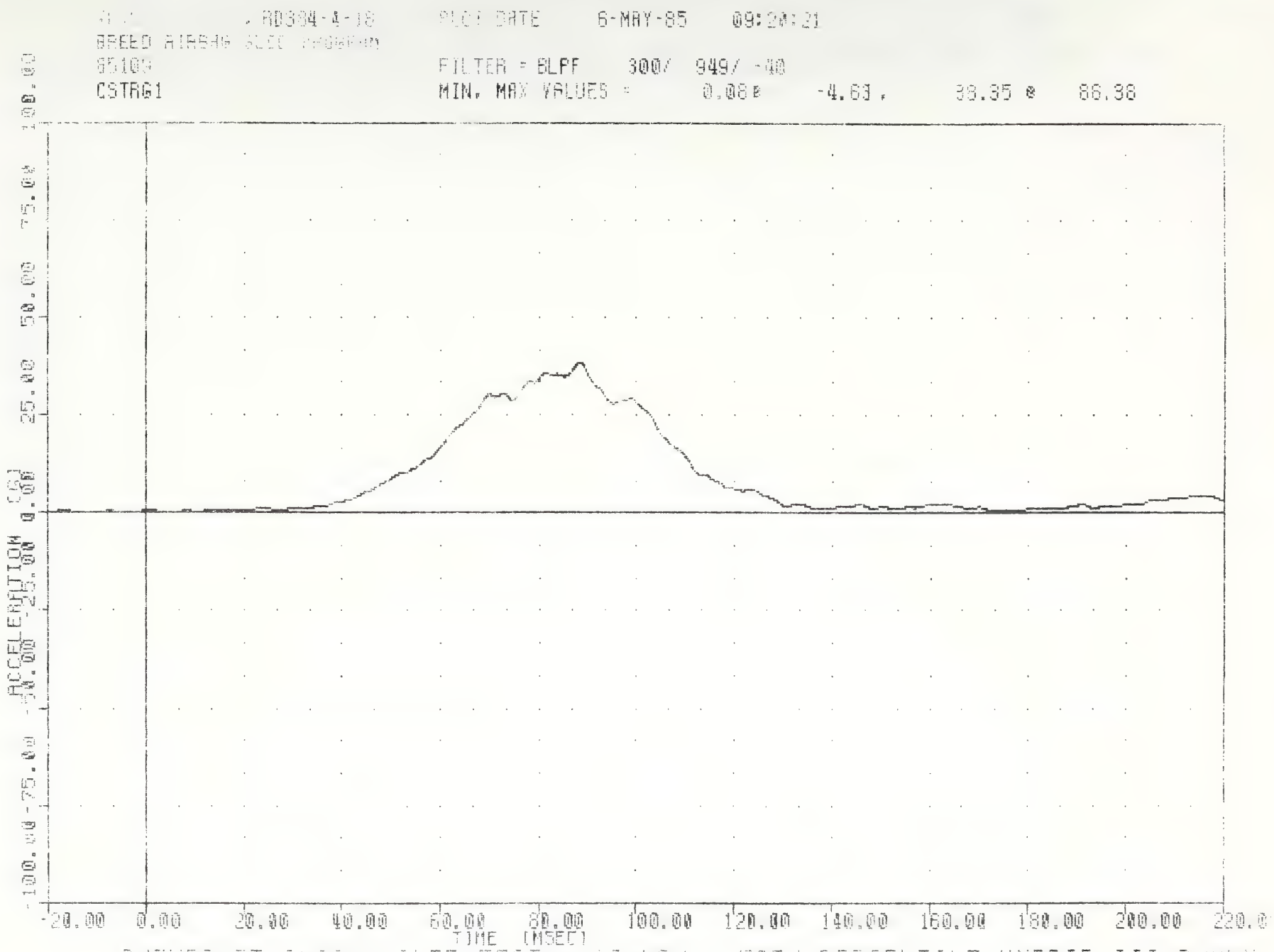
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
BREED B-PILLAR SENSOR



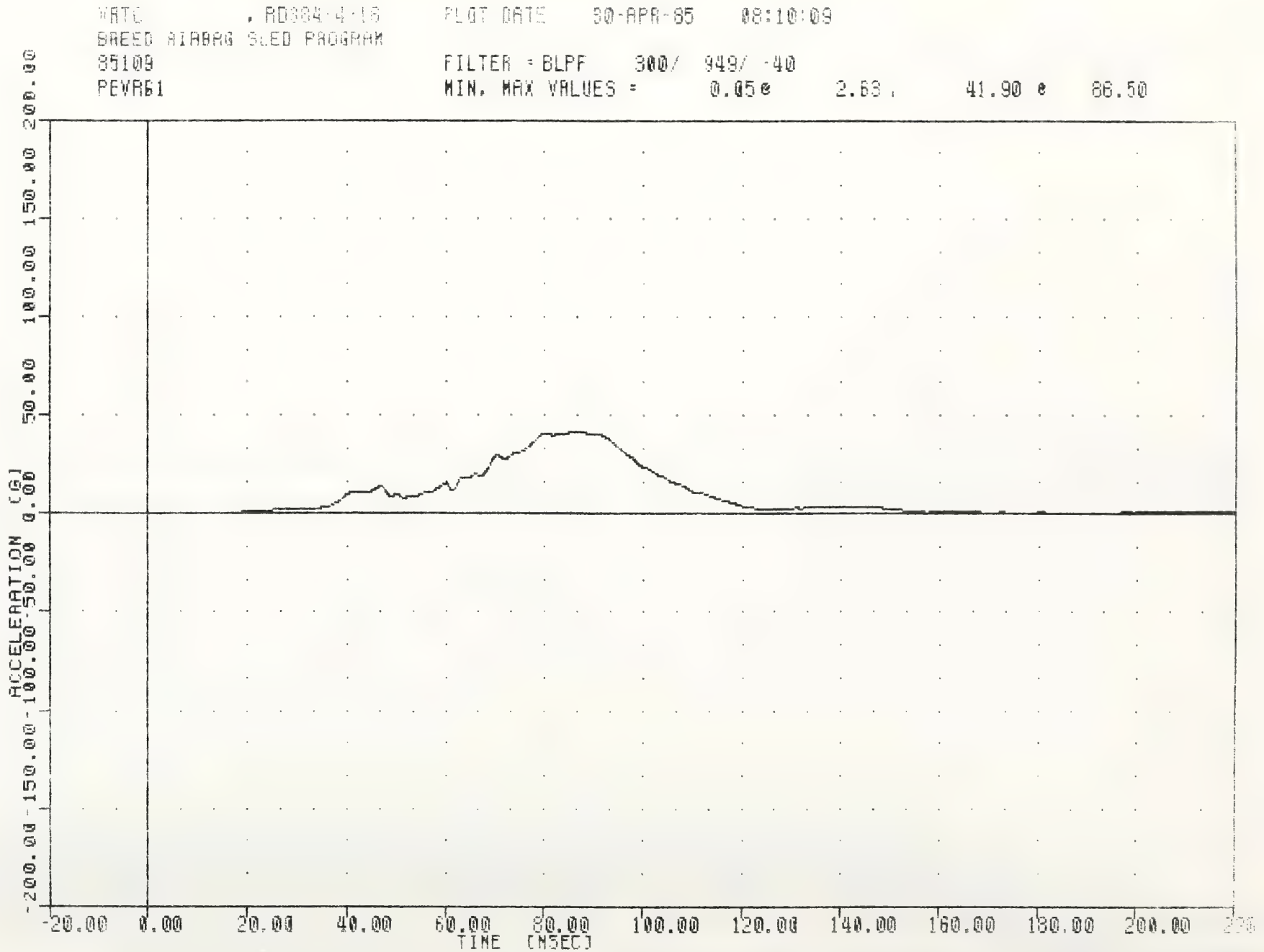
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
KNEE CONTACT



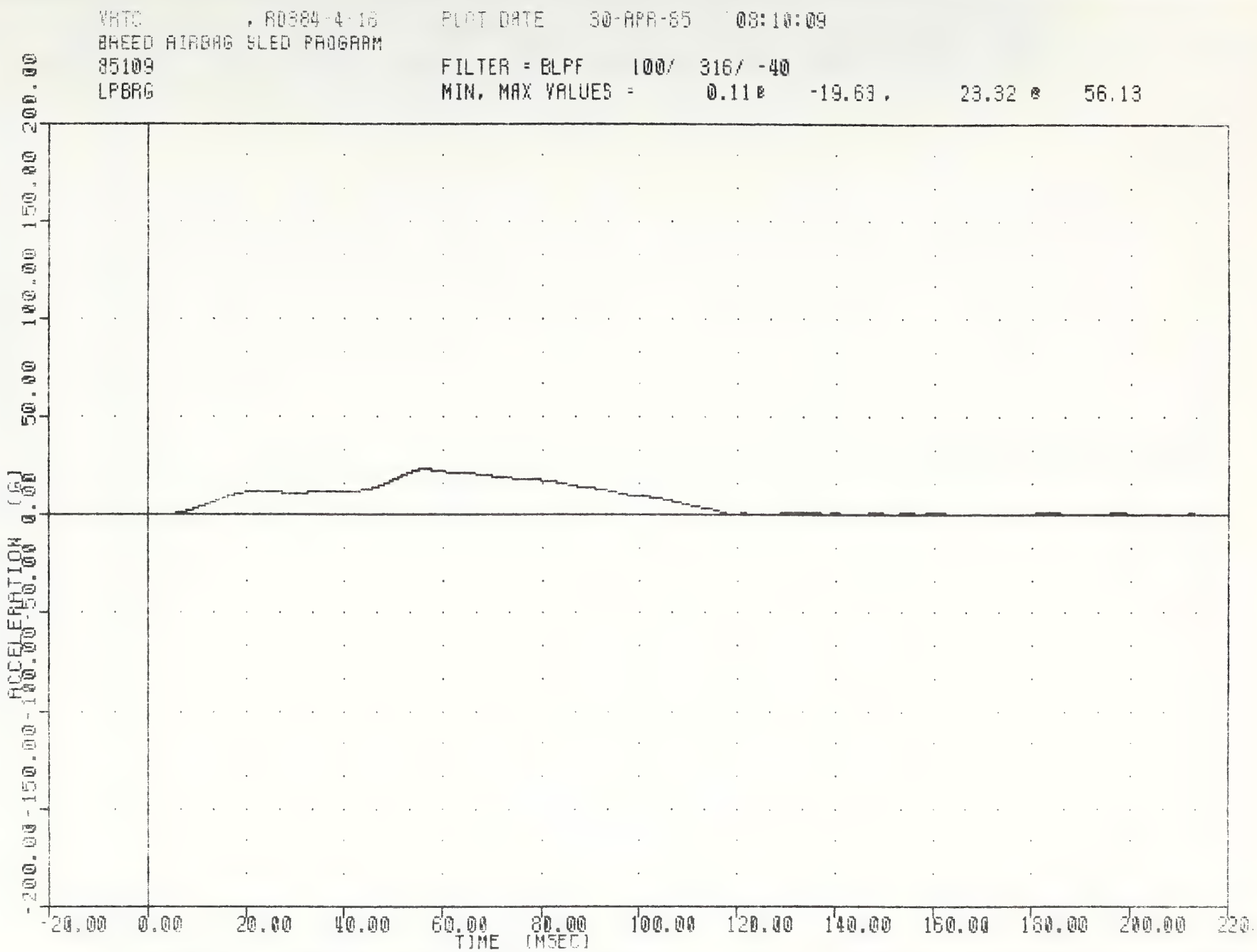
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER HEAD RESULTANT



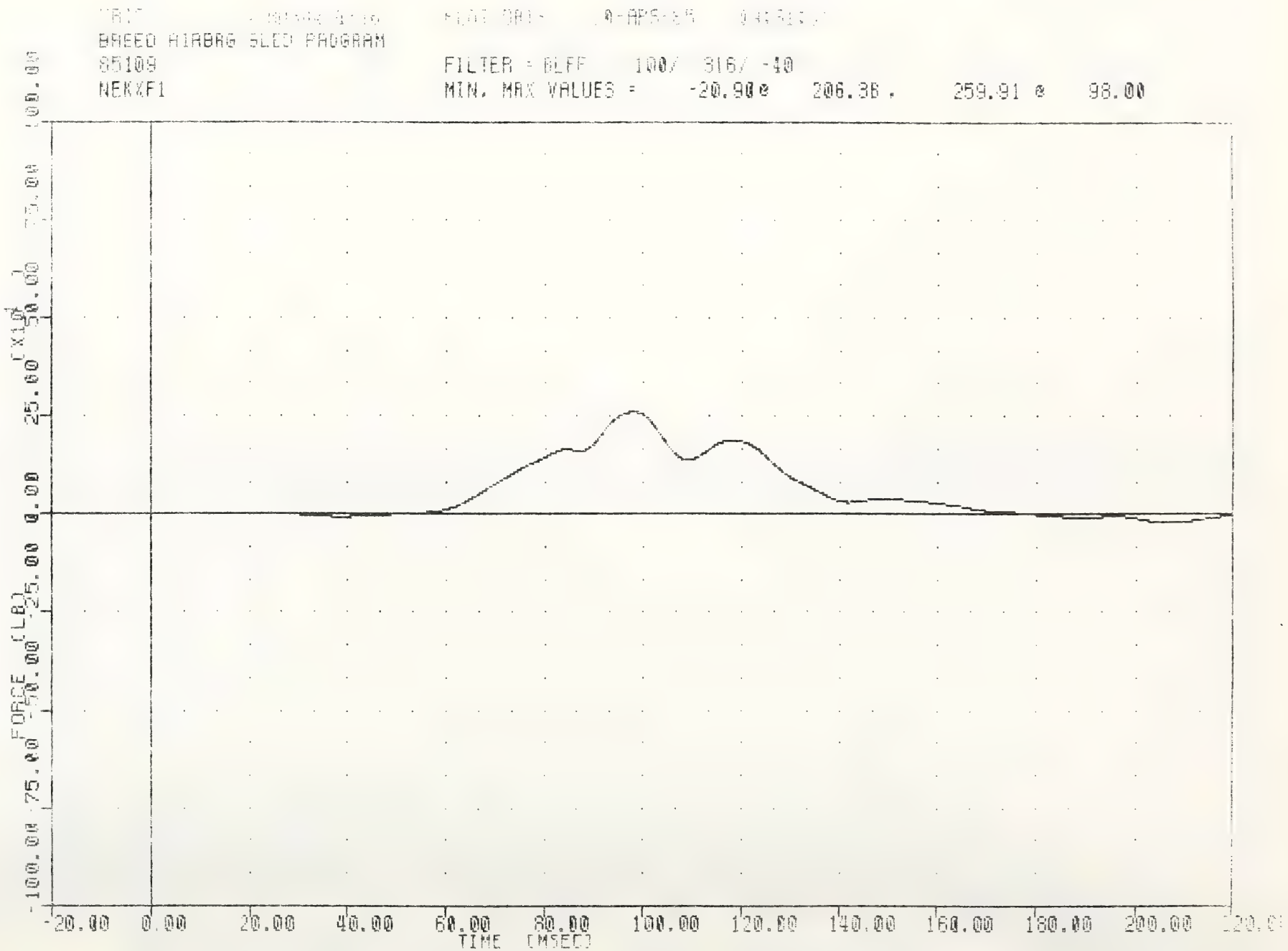
CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUMMY



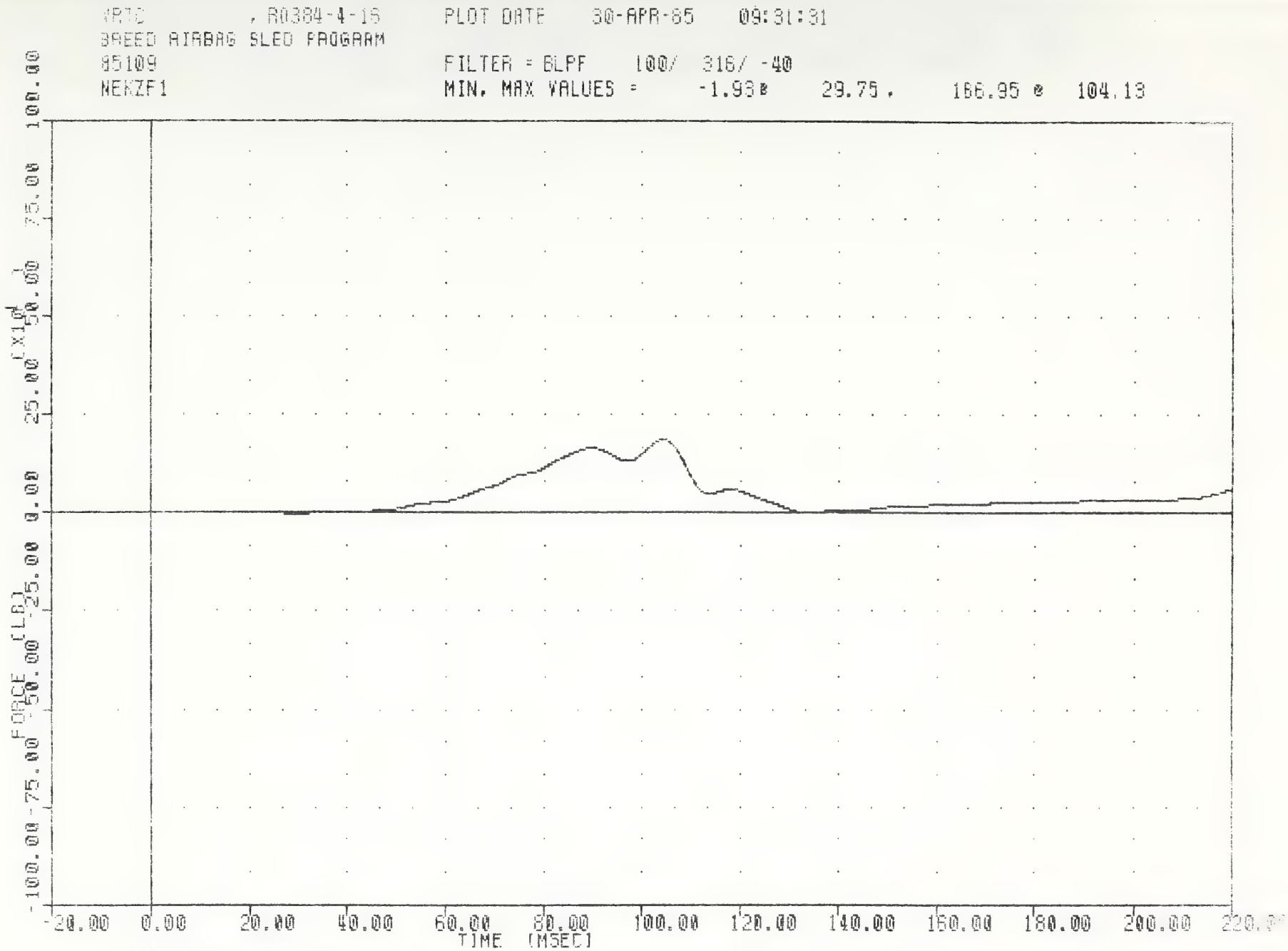
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS RESULTANT



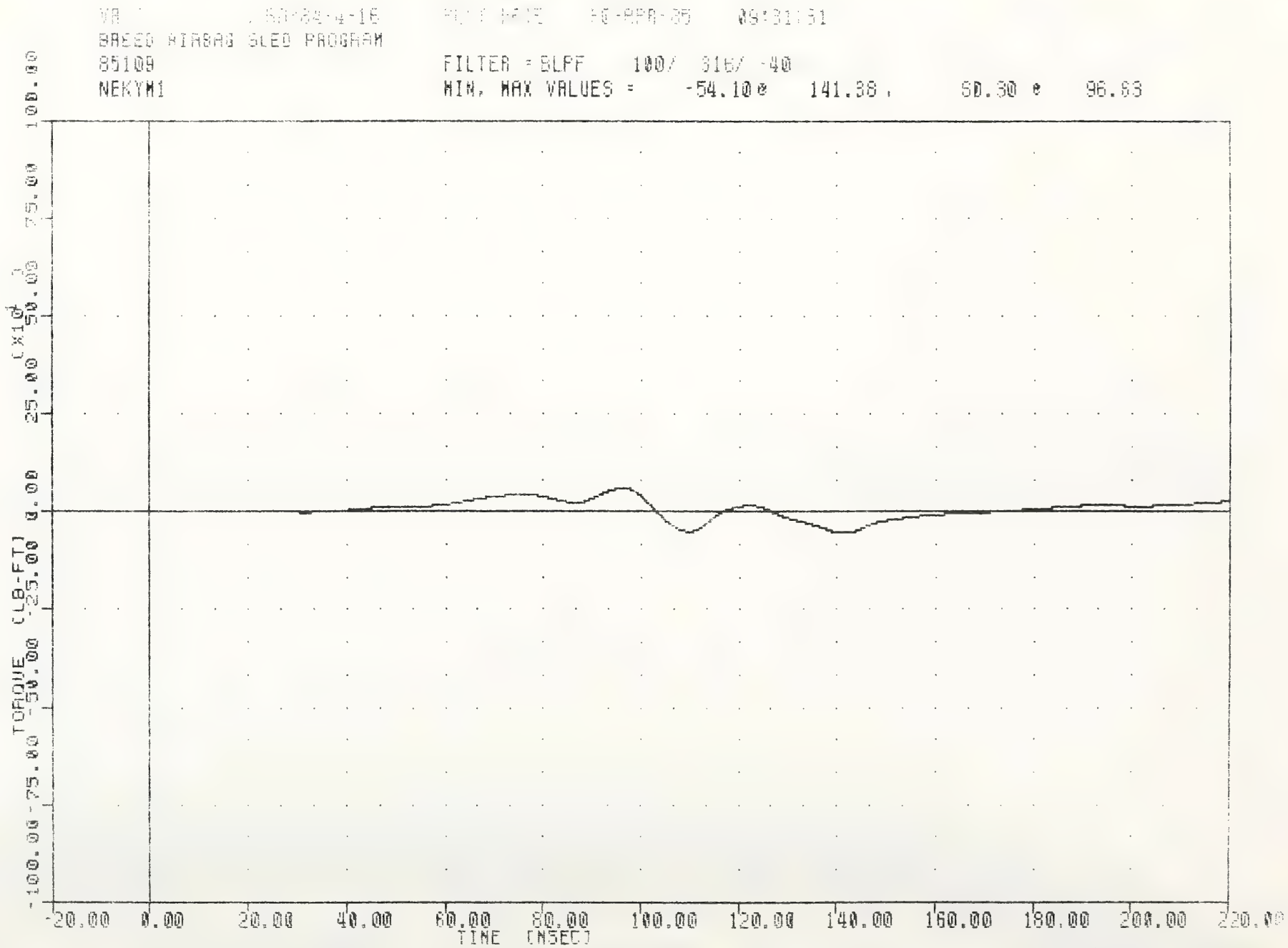
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
PILLAR LEFT B RESULTANT



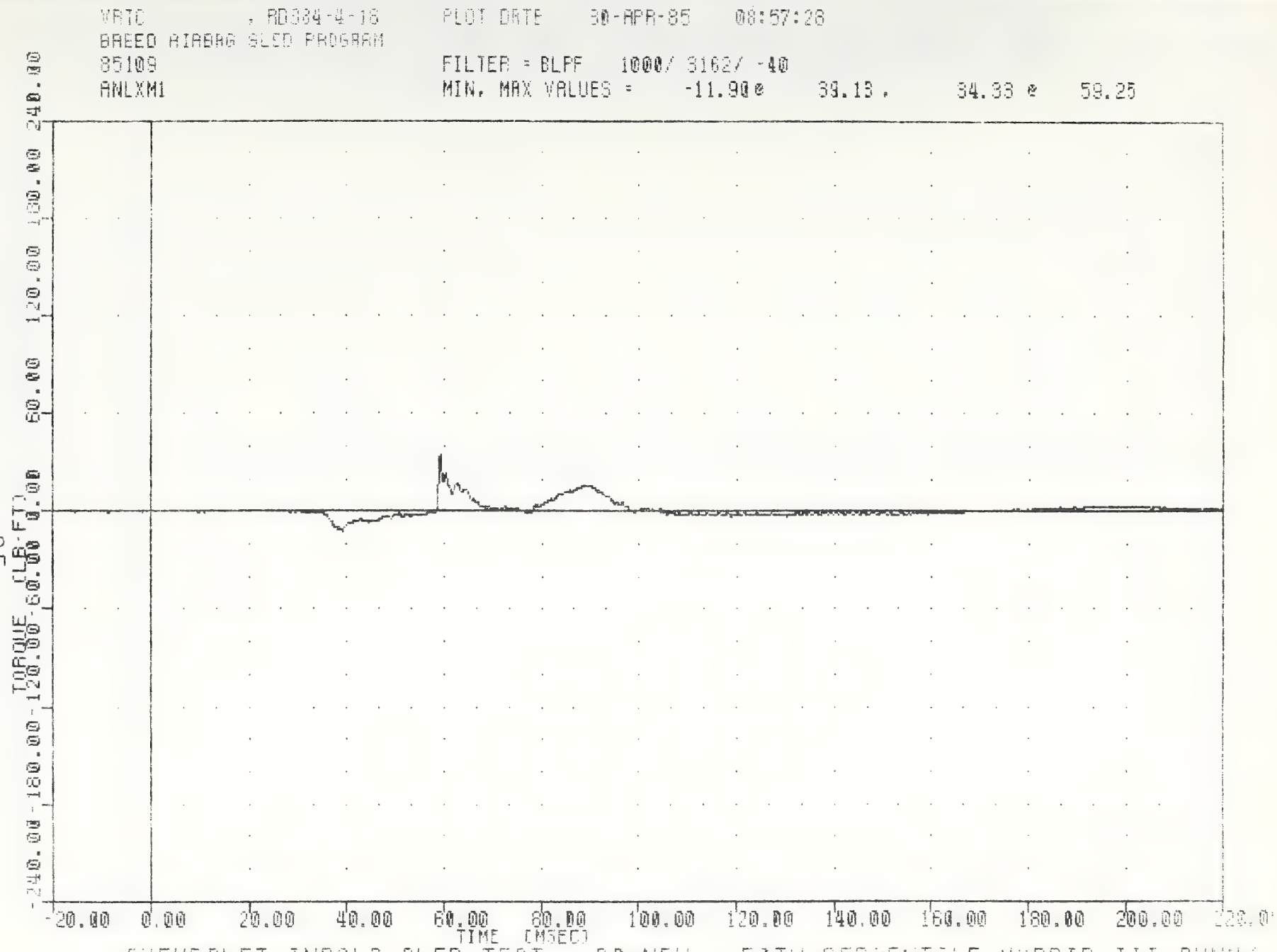
CHEVROLET IMPALA SLED TEST - 50 MPH 50TH PERCENTILE HYBRID III DUMMY



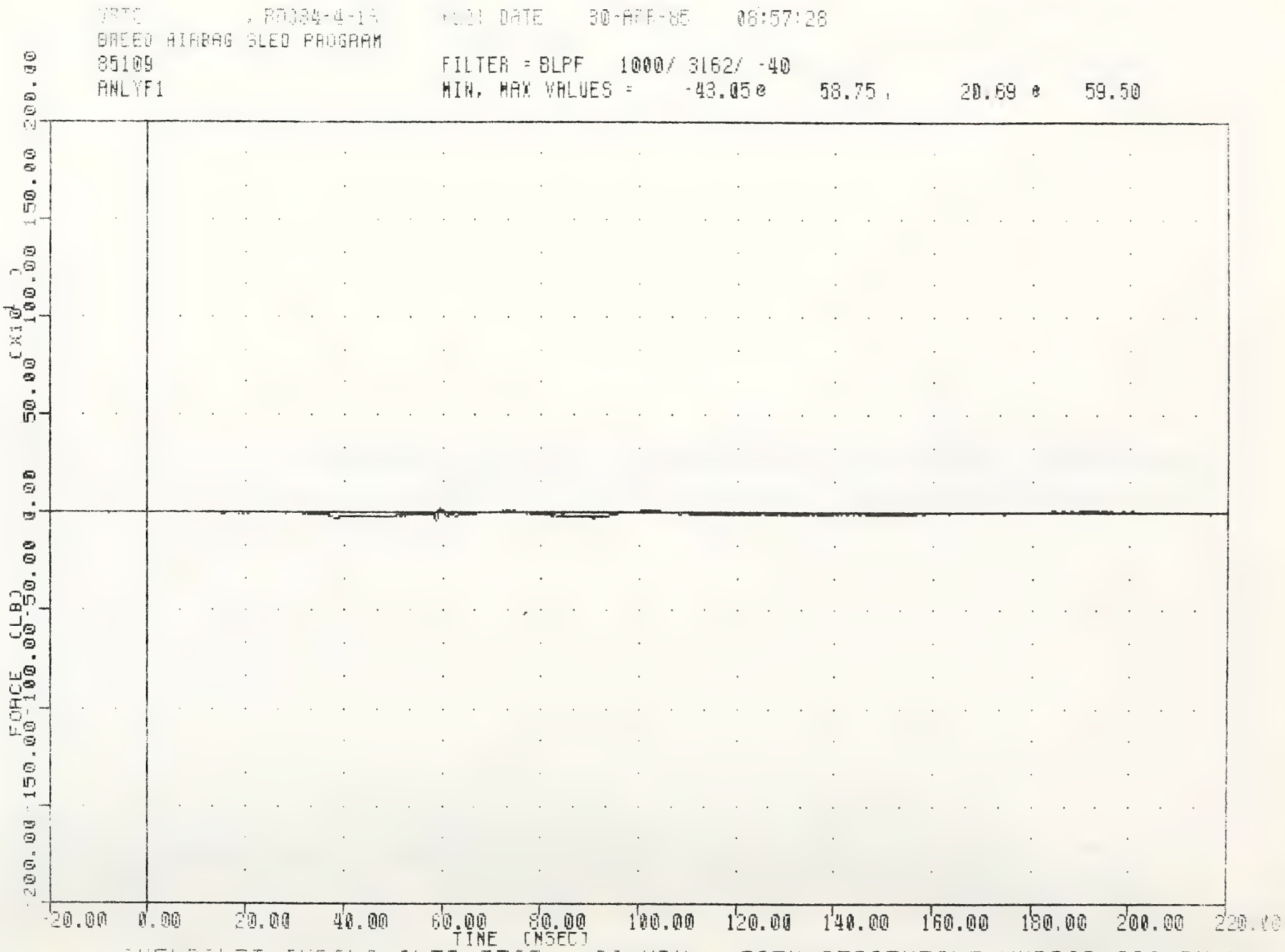
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE Z AXIS LBS (AXIAL



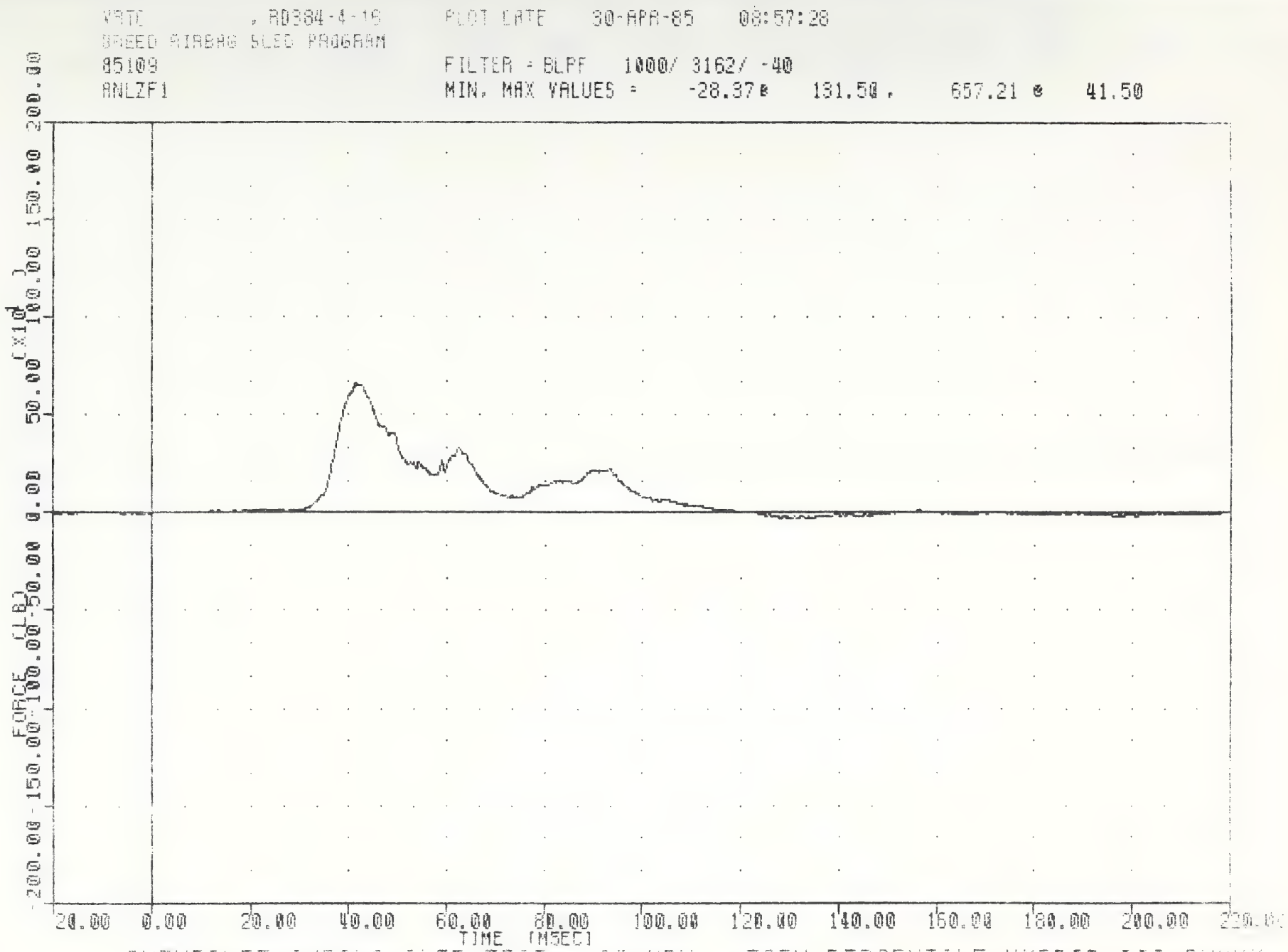
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK MOMENT (AXIS FT-LBS



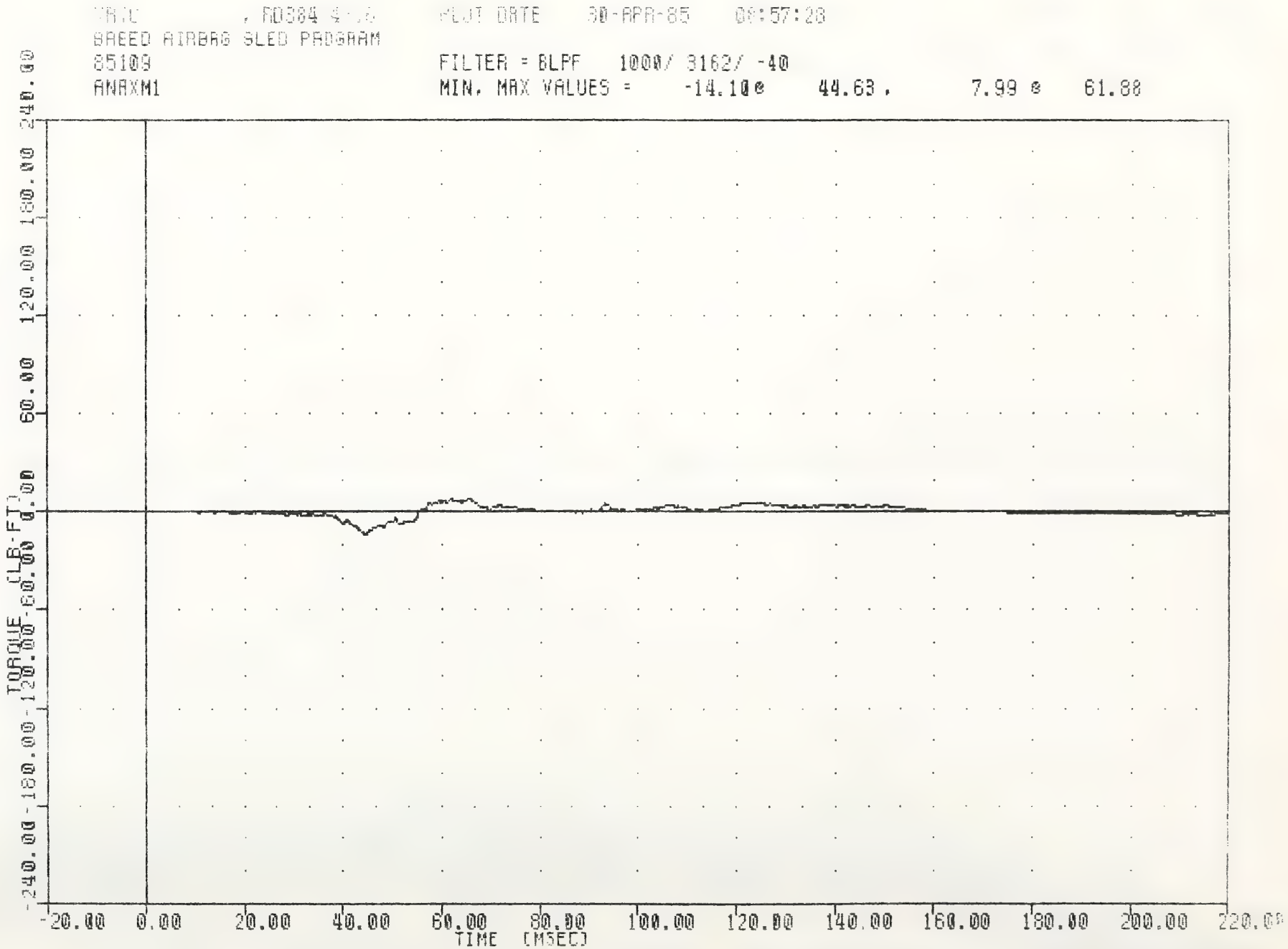
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA MOMENT 1 A-16 LB-FT



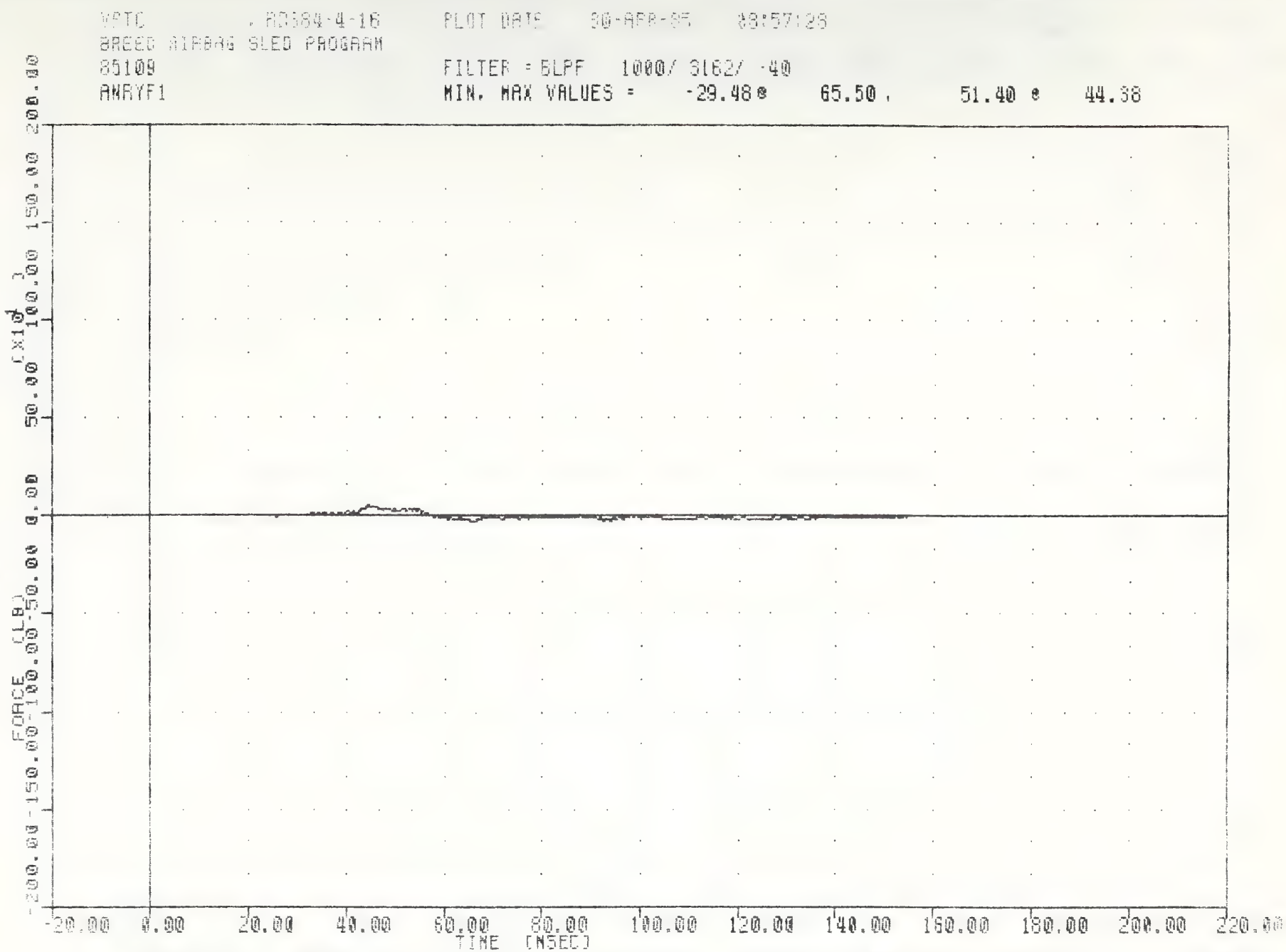
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE Y AXIS LBS



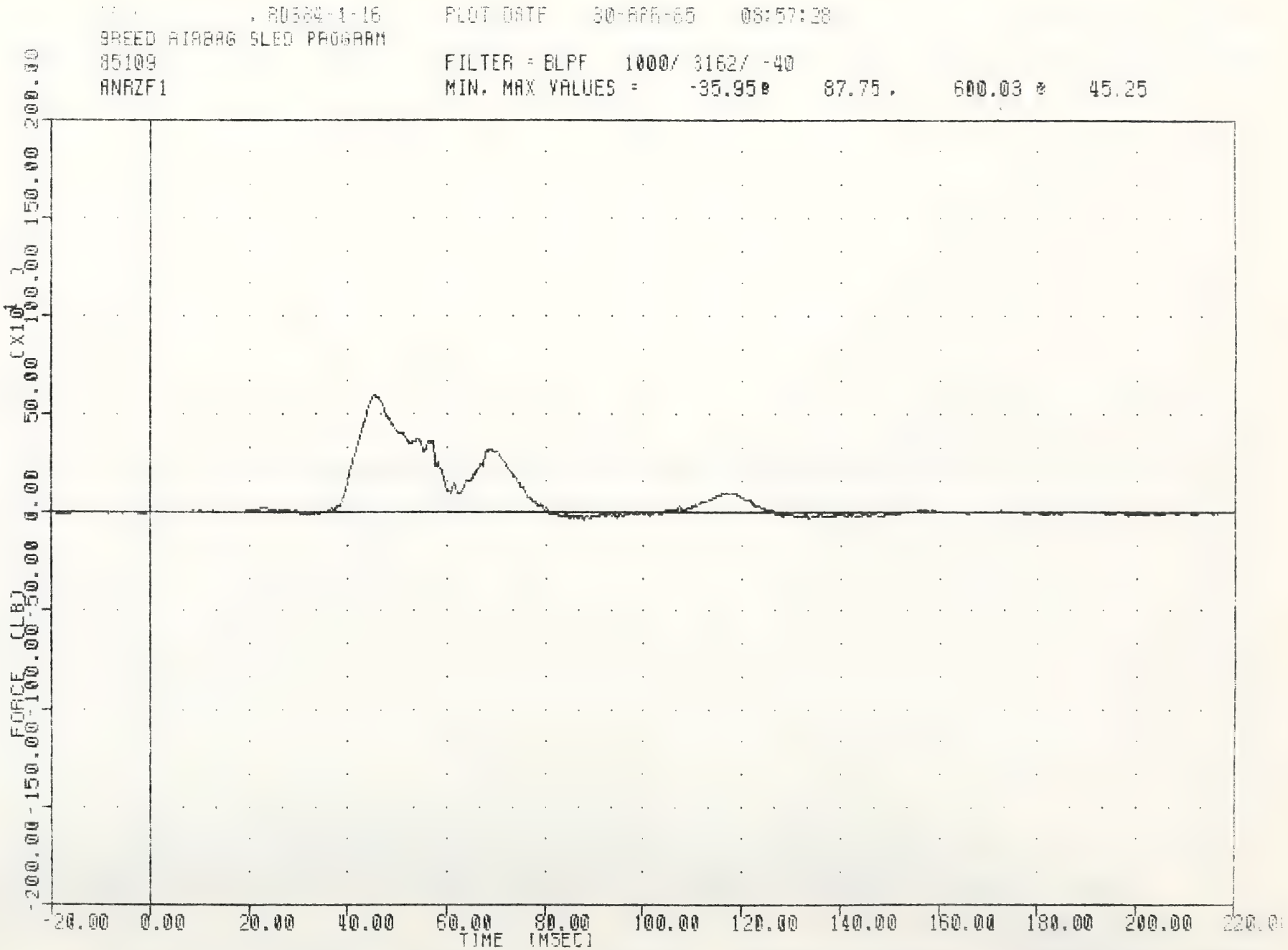
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE Z AXIS LBS



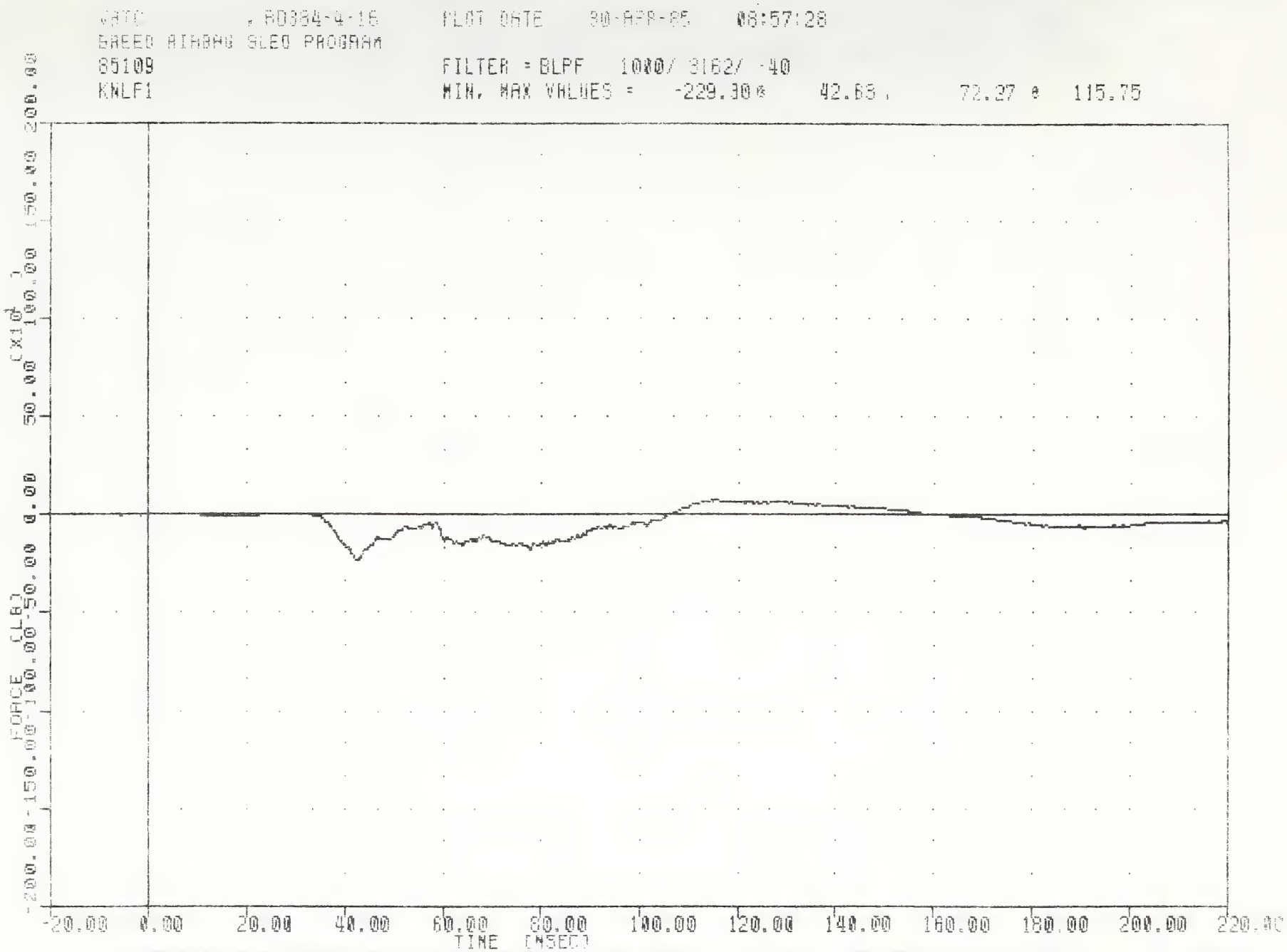
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT



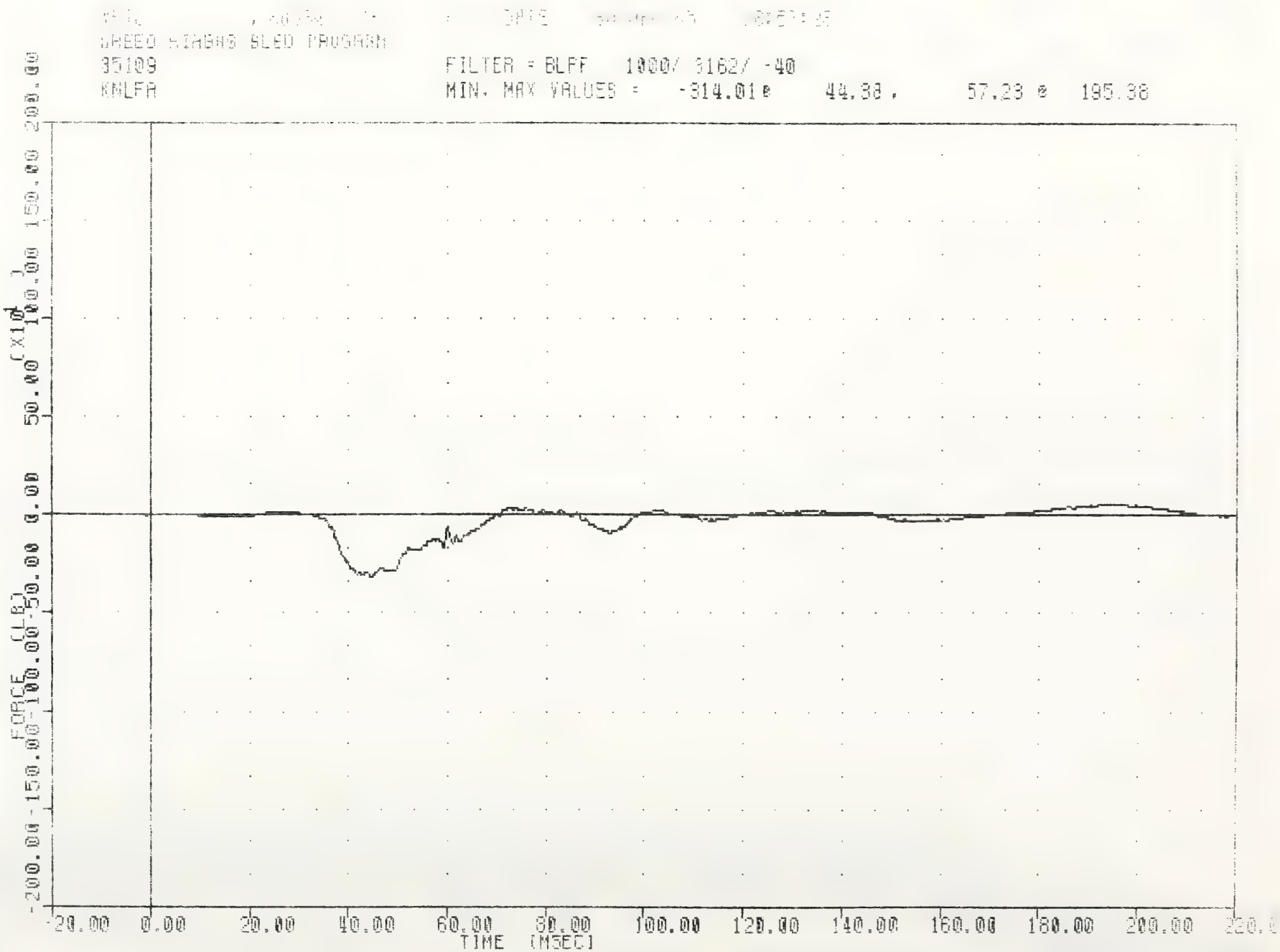
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE Y AXIS LPF



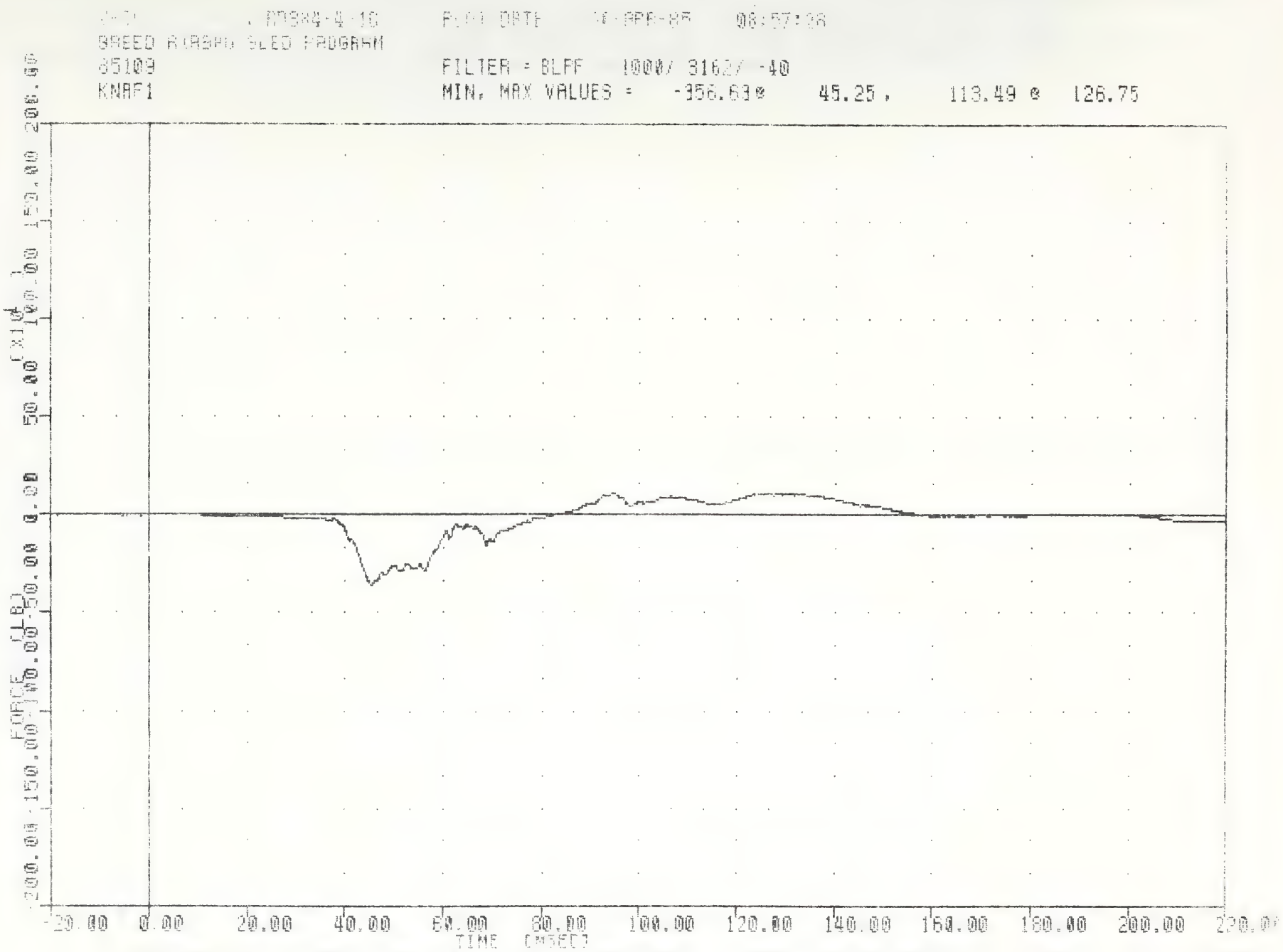
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE



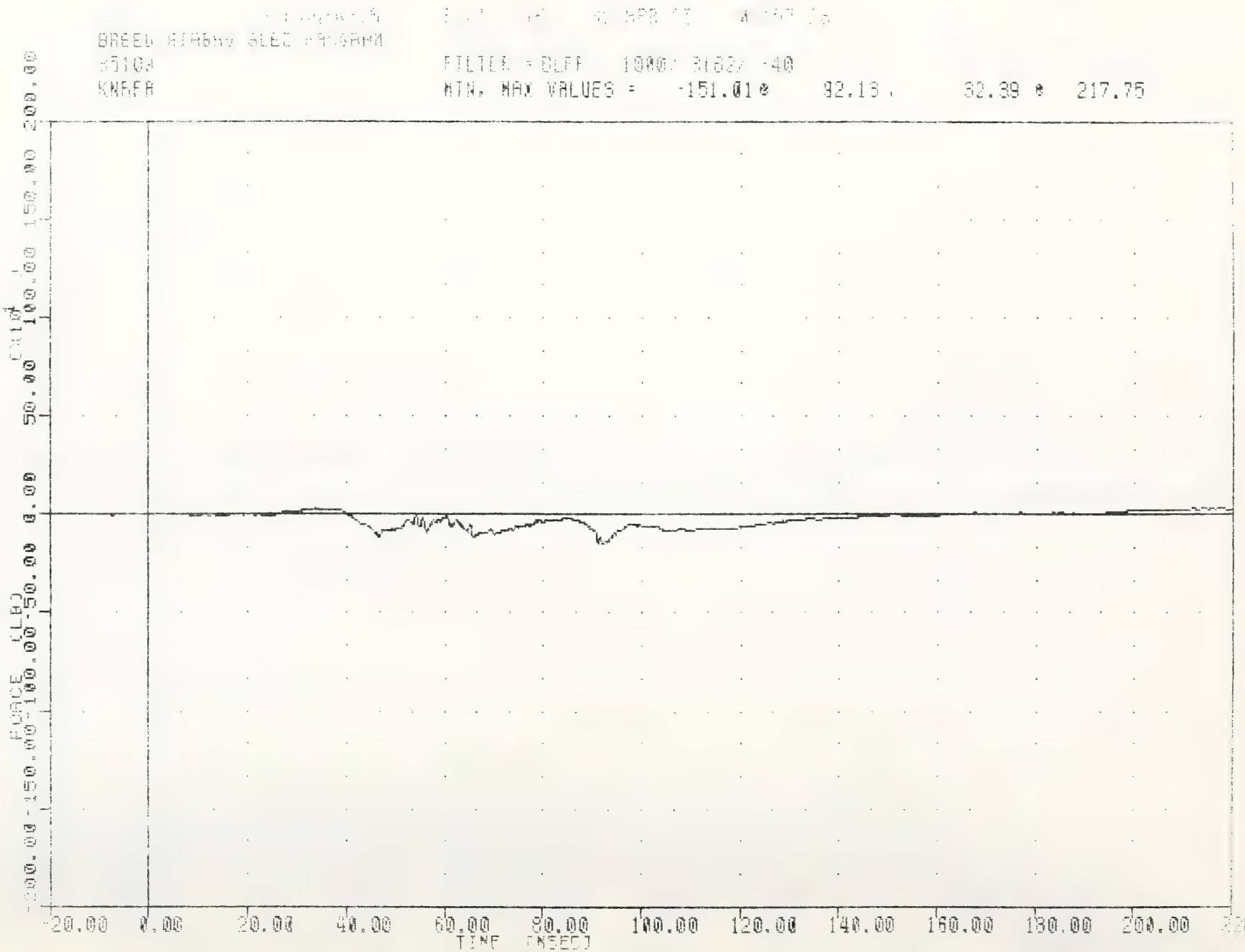
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE - LEFT SENSOR 1-85



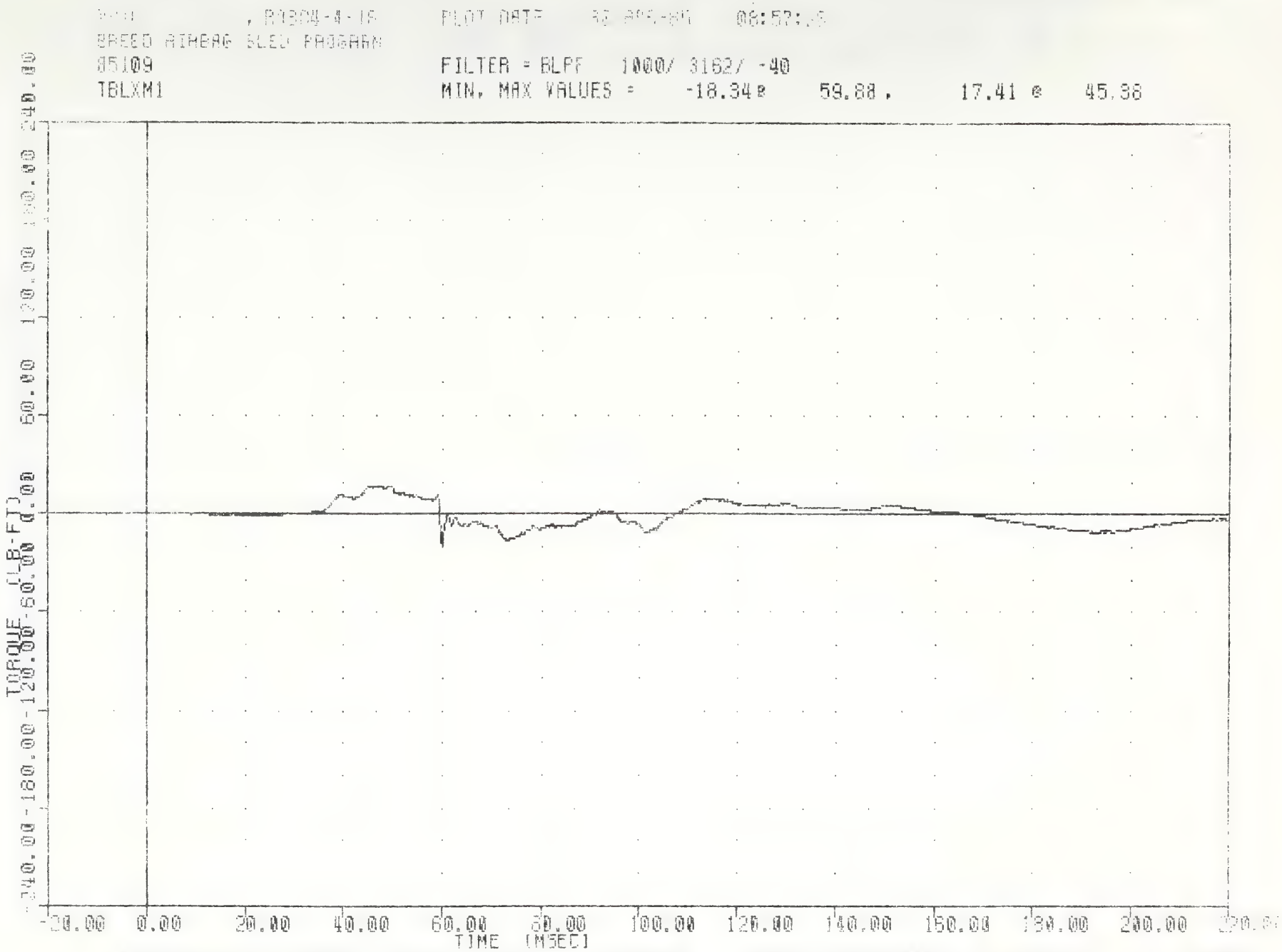
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



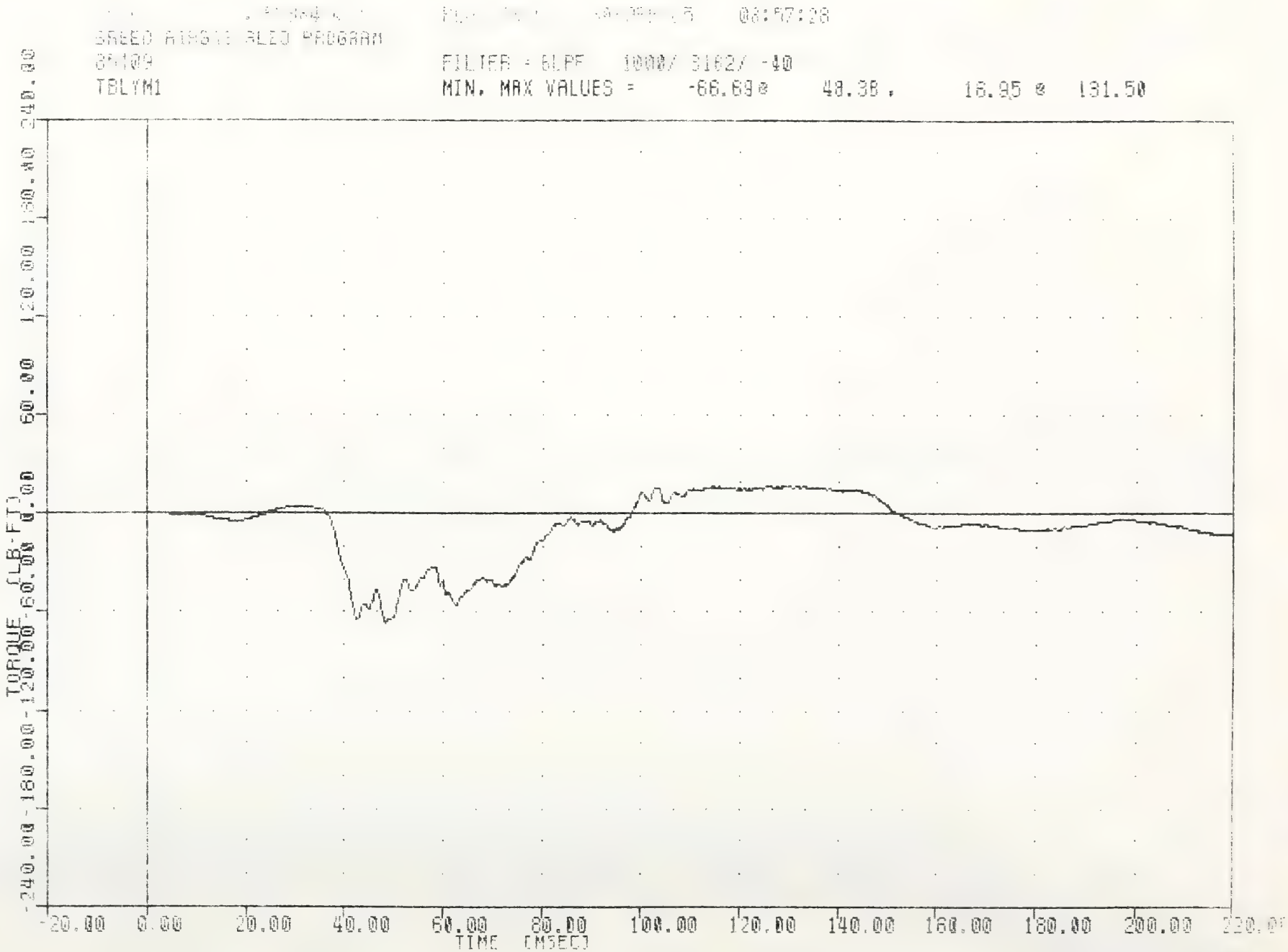
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



30 MPH - 50TH PERCENTILE HYBRID III DUMM

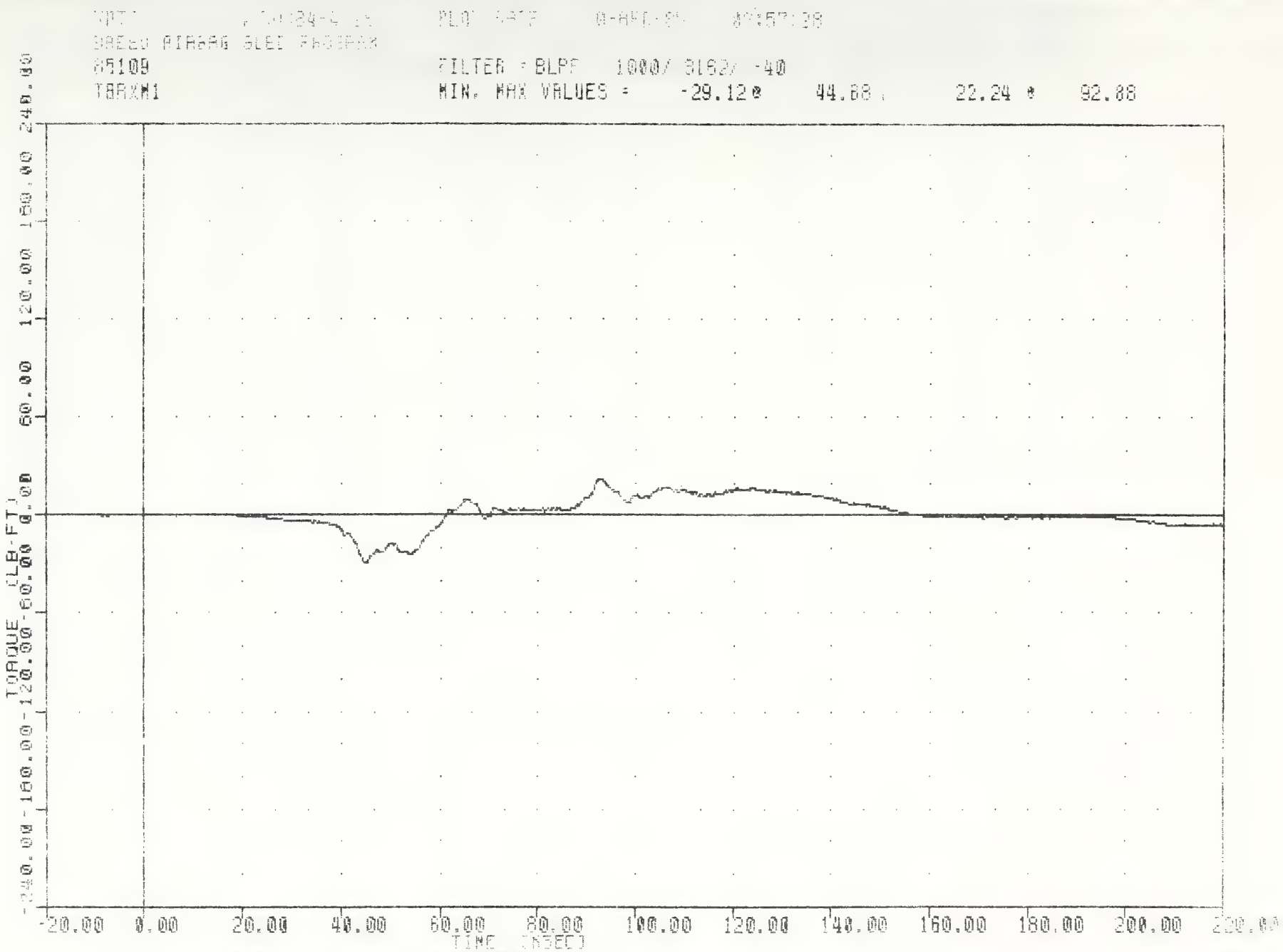


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA

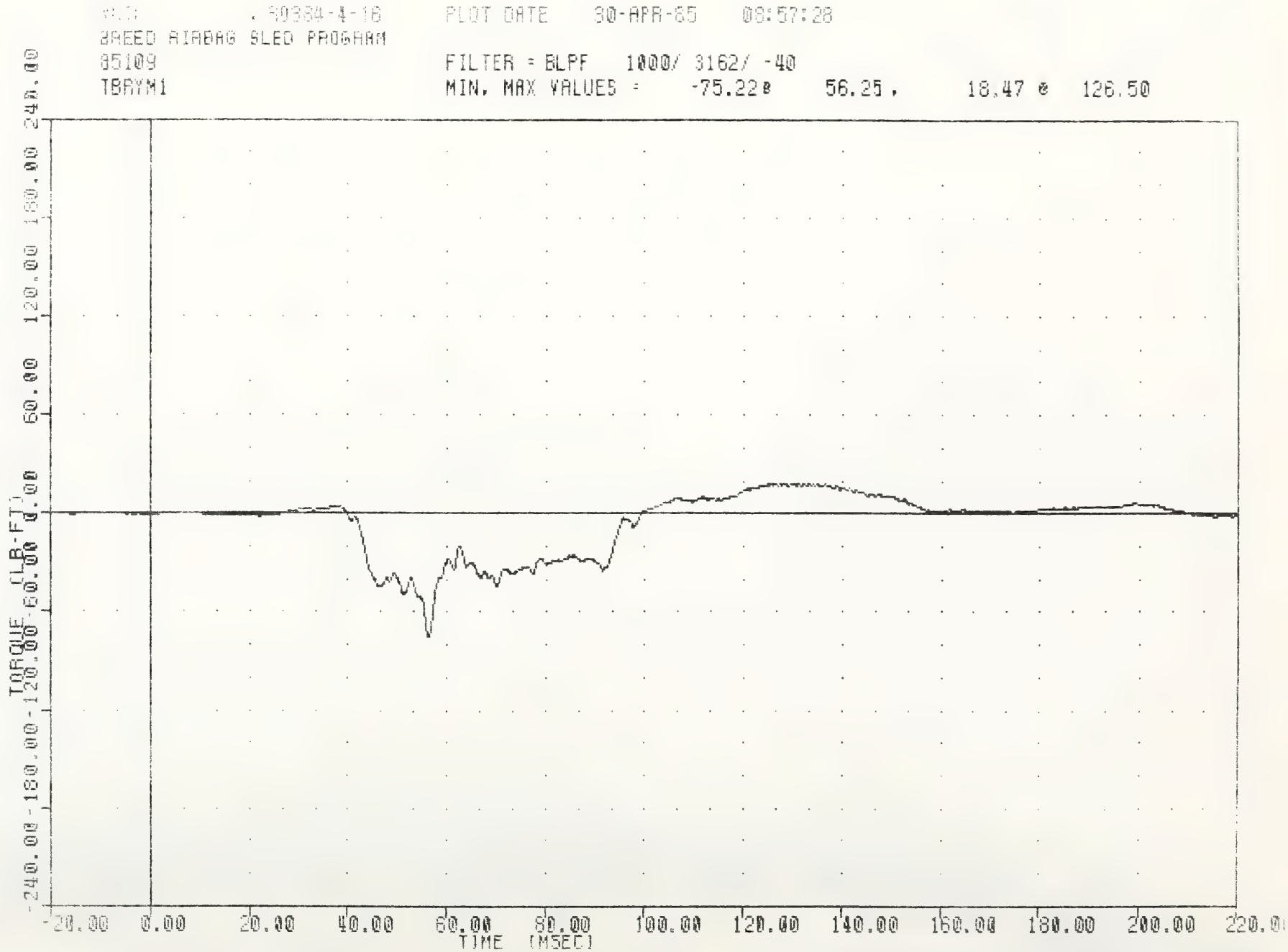


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

LEFT UPPER TIBIA MOMENT Y 6/15 LB-FT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LB-FT

TRC418P.RAD;4
VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:37
85112 30.00 mph

		Min value			Max value			Data Units	Filter			
1	EVENT	0.059	@	78.250	1.604	@	-15.500 msec	volt	ALPF	1650/	5214/	-40
2	SLDXV	-32.837	@	120.375	0.140	@	-19.000 msec	mph	ALPF	100/	316/	-40
3	SLDXG	-23.039	@	56.625	0.595	@	122.375 msec	g	BLPF	100/	316/	-40
4	HEDXG1	-43.354	@	60.625	3.051	@	45.125 msec	g	ALPF	1650/	5214/	-40
5	HEDYG1	-5.335	@	108.250	2.705	@	48.875 msec	g	ALPF	1650/	5214/	-40
6	HEDZG1	-7.823	@	105.500	7.521	@	53.750 msec	g	ALPF	1650/	5214/	-40
7	CSTXG1	-36.868	@	67.125	1.615	@	147.875 msec	g	BLPF	300/	949/	-40
8	CSTYG1	-5.605	@	71.875	1.278	@	127.875 msec	g	BLPF	300/	949/	-40
9	CSTZG1	-12.151	@	107.500	10.402	@	71.750 msec	g	BLPF	300/	949/	-40
10	USTXG1	-74.047	@	37.750	71.349	@	40.500 msec	g	BLPF	300/	949/	-40
11	LSTXG1	-60.294	@	53.125	18.105	@	38.250 msec	g	BLPF	300/	949/	-40
12	PEVXG1	-33.368	@	74.250	1.398	@	181.125 msec	g	BLPF	300/	949/	-40
13	PEVYG1	-6.641	@	66.250	4.139	@	112.750 msec	g	BLPF	300/	949/	-40
14	PEVZG1	-16.884	@	85.125	1.710	@	175.750 msec	g	BLPF	300/	949/	-40
15	LFMF1	-417.629	@	59.500	44.611	@	182.000 msec	lb	BLPF	1000/	3162/	-40
16	RFMF1	-248.937	@	41.500	61.968	@	199.875 msec	lb	BLPF	1000/	3162/	-40
17	STHPG	-68.024	@	95.875	21.893	@	73.750 msec	g	BLPF	100/	316/	-40
18	STHLG	-9.418	@	74.625	14.764	@	86.375 msec	g	BLPF	100/	316/	-40
19	STHIG	-7.594	@	74.250	25.335	@	81.125 msec	g	BLPF	100/	316/	-40
20	LPBXG	-22.630	@	56.750	0.870	@	173.000 msec	g	BLPF	100/	316/	-40
21	LPBYG	-1.670	@	173.000	1.506	@	35.375 msec	g	BLPF	100/	316/	-40
22	LPBZG	-2.809	@	34.375	3.863	@	29.500 msec	g	BLPF	100/	316/	-40
23	SHBF1	-1.719	@	2.500	1425.542	@	82.250 msec	lb	BLPF	100/	316/	-40
24	LBOF1	-2.989	@	3.000	978.285	@	80.375 msec	lb	BLPF	100/	316/	-40
25	ABTP	-3.648	@	40.750	37.629	@	30.000 msec	psig	ALPF	1650/	5214/	-40
26	ABT1	-0.002	@	-7.625	0.005	@	-19.625 msec	volt	ALPF	1650/	5214/	-40
27	ABT2	-0.005	@	0.000	0.000	@	-20.000 msec	volt	ALPF	1650/	5214/	-40
28	ABT3	-0.002	@	-20.000	2.017	@	23.625 msec	volt	ALPF	1650/	5214/	-40
29	ABT4	-0.392	@	153.375	2.168	@	46.250 msec	volt	ALPF	1650/	5214/	-40

TRC418RP.RAD;1
VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 25-APR-85 11:18
85112 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HEDRG1	0.052	@	19.125	43.826	@	60.750 msec	g	ALPF	1650/	5214/	-40
2	CSTRG1	0.036	@	-6.125	37.730	@	67.500 msec	g	BLPF	300/	949/	-40
3	PEVRG1	0.046	@	-14.500	35.531	@	74.250 msec	g	BLPF	300/	949/	-40
4	STHRG	0.035	@	-17.000	68.767	@	96.000 msec	g	BLPF	100/	316/	-40
5	LPBRG	0.017	@	-16.375	22.671	@	56.875 msec	g	BLPF	100/	316/	-40

TRC418AP.RAD;1
VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 25-APR-85 11:18
85112 30.00 mph

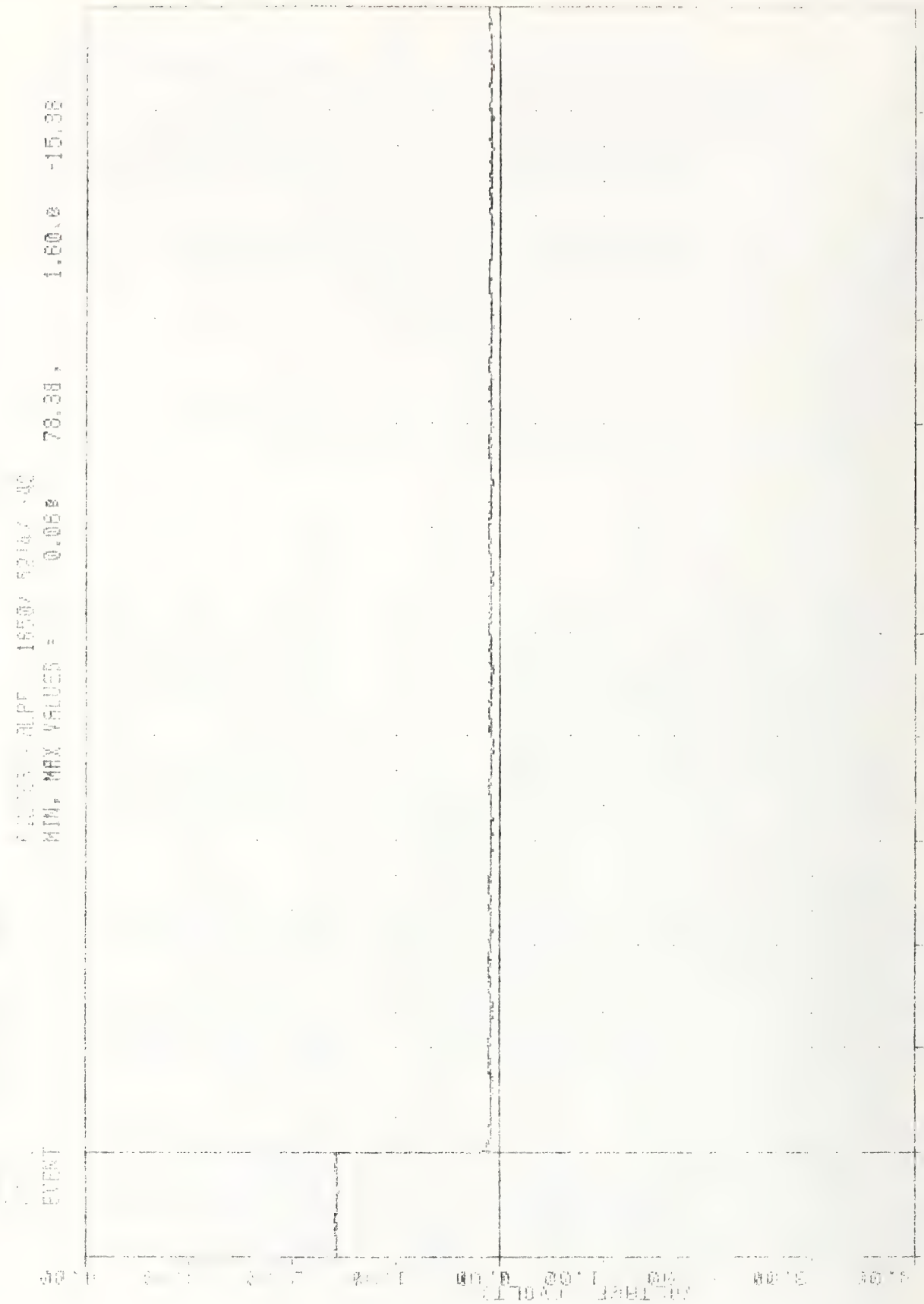
		Min value			Max value			Data Units	Filter			
1	HD2ZG1	-32.795	@	52.750	19.161	@	53.125 msec	g	ALPF	1650/	5214/	-40
2	NEKXF1	-9.586	@	220.000	488.980	@	62.500 msec	lb	BLPF	100/	316/	-40
3	NEKYM1	-255.612	@	62.875	30.584	@	141.125 msec	lb-ft	BLPF	100/	316/	-40
4	NEKZF1	-1.435	@	33.625	180.931	@	71.375 msec	lb	BLPF	100/	316/	-40
5	CSTXD1	-0.009	@	20.000	1.491	@	76.500 msec	in	BLPF	300/	949/	-40
6	KNLF1	-201.964	@	38.750	73.149	@	118.375 msec	lb	BLPF	1000/	3162/	-40
7	KNLFA	-332.563	@	61.375	65.766	@	144.875 msec	lb	BLPF	1000/	3162/	-40
8	KNRF1	-335.726	@	54.500	17.403	@	147.250 msec	lb	BLPF	1000/	3162/	-40
9	KNRFA	-165.830	@	54.500	49.185	@	126.875 msec	lb	BLPF	1000/	3162/	-40
10	TBLXM1	-13.298	@	92.500	28.231	@	61.000 msec	lb-ft	BLPF	1000/	3162/	-40
11	TBLYM1	-62.586	@	76.000	57.104	@	46.125 msec	lb-ft	BLPF	1000/	3162/	-40
12	TBRXM1	-19.688	@	53.375	2.305	@	147.875 msec	lb-ft	BLPF	1000/	3162/	-40
13	TBRYM1	-54.436	@	73.375	74.472	@	54.125 msec	lb-ft	BLPF	1000/	3162/	-40
14	ANLXM1	-10.386	@	36.000	34.947	@	61.500 msec	lb-ft	BLPF	1000/	3162/	-40
15	ANLYF1	-15.407	@	92.750	63.376	@	61.000 msec	lb	BLPF	1000/	3162/	-40
16	ANLZF1	-23.473	@	128.000	566.948	@	38.750 msec	lb	BLPF	1000/	3162/	-40
17	ANRXM1	-7.124	@	52.750	2.822	@	55.500 msec	lb-ft	BLPF	1000/	3162/	-40
18	ANRYF1	-33.121	@	52.875	8.062	@	69.000 msec	lb	BLPF	1000/	3162/	-40
19	ANRZF1	-20.868	@	136.500	532.572	@	40.875 msec	lb	BLPF	1000/	3162/	-40

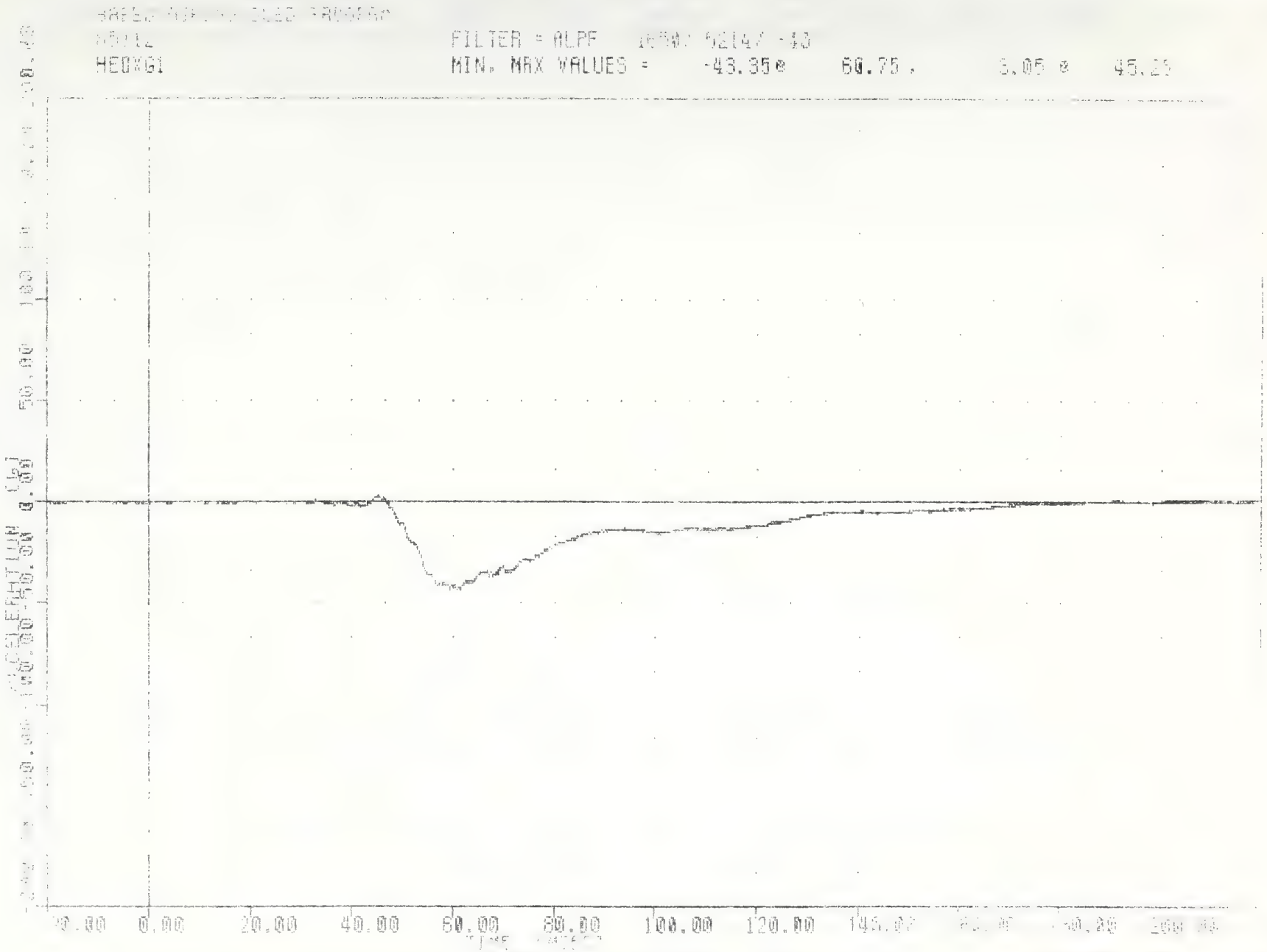
TRC418IP.RAD;5
VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:37
85112 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HEDXV1	-40.615	@	186.000	-0.288	@	32.125 msec	mph	BLPF	300/	949/	-40
2	HEDXD1	-65.007	@	220.000	-0.162	@	-20.000 msec	in	BLPF	300/	949/	-40
3	CSTXV1	-32.782	@	133.875	-0.459	@	-6.250 msec	mph	BLPF	300/	949/	-40
4	CSTXD1	-56.998	@	220.000	-0.241	@	-20.000 msec	in	BLPF	300/	949/	-40
5	PEVXV1	-28.951	@	108.250	-0.109	@	-14.750 msec	mph	BLPF	300/	949/	-40
6	PEVXD1	-51.344	@	220.000	-0.072	@	-20.000 msec	in	BLPF	300/	949/	-40
7	SLDXVI	-32.384	@	116.125	0.000	@	-18.625 msec	mph	BLPF	300/	949/	-40
8	SLDXD	-62.151	@	220.000	0.000	@	-17.500 msec	in	BLPF	300/	949/	-40
9	STHPV	-30.688	@	120.625	0.317	@	-14.875 msec	mph	BLPF	300/	949/	-40
10	STHPD	-53.146	@	220.000	0.264	@	10.250 msec	in	BLPF	300/	949/	-40
11	LPBXV	-31.489	@	115.125	0.152	@	-13.125 msec	mph	BLPF	300/	949/	-40
12	LPBXD	-59.993	@	220.000	0.118	@	6.000 msec	in	BLPF	300/	949/	-40

```
R SYSP:HIC2

HIC1 -- Compute Head Injury Criterion from a single channel

Enter input filespec -->TRC418RP
File TRC418RP  ->  5 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125
VRTC        RD384-4-17  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 STHRG  LPBRG
Enter channel [,stop time] -->HEDRG1


* * *   HIC computation for TRC418RP 25-APR-85 11:30:18

HEDRG1      VRTC        RD384-4-17  85112        BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 148.125 msec     Peak accel =  43.83 @  60.750

HIC =  185.17     Interval from  51.500 [ 573] to  82.000 [ 817]

HIC =  138.50     Interval from  54.375 [ 596] to  69.375 [ 716]
```

```
R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> DBC1:[SLED,BREED]TRC418RP

File TRC418RP  ->  5 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-17  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 STHRG  LPBRG

Enter channel name  -> CSTRG1

[SLED,BREED]TRC418RP.RAD;1                              VRTC        RD384-4-17
BREED AIRBAG SLED PROGRAM        30.0 mph      85112          6-MAY-85 14:05:30
Deltax: 0.125

3 MS CLIP PEAK:    37.00786

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```

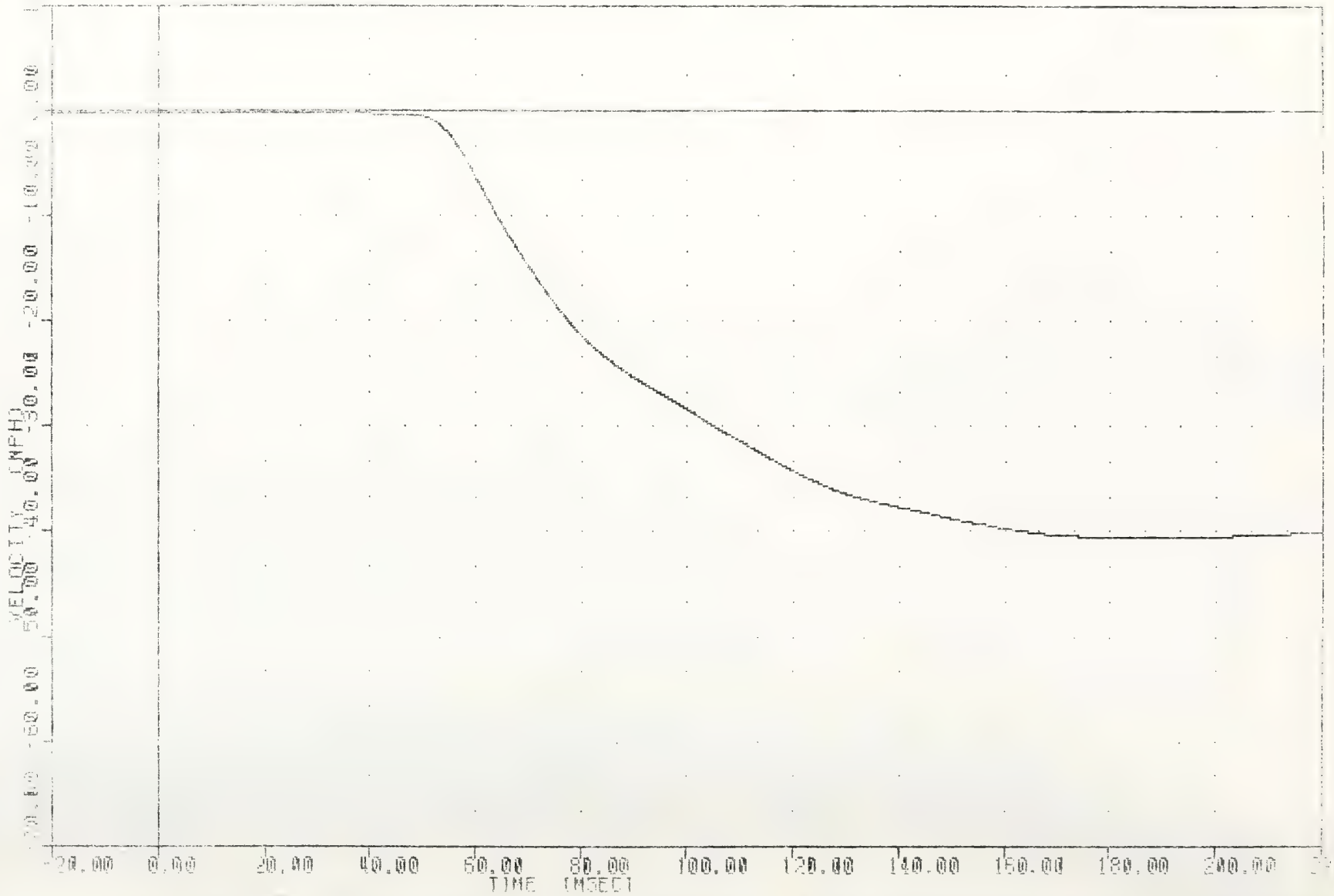

MIN, MAX VALUES = 0.06 78.38 1.60 -15.38
EVENT
OUTPUT (VOLT)


FILTER = ALPF
MIN. MAX VALUES = -43.35@ 60.75 .
HEDWG1
0.00
20.00
40.00
60.00
80.00
100.00
120.00

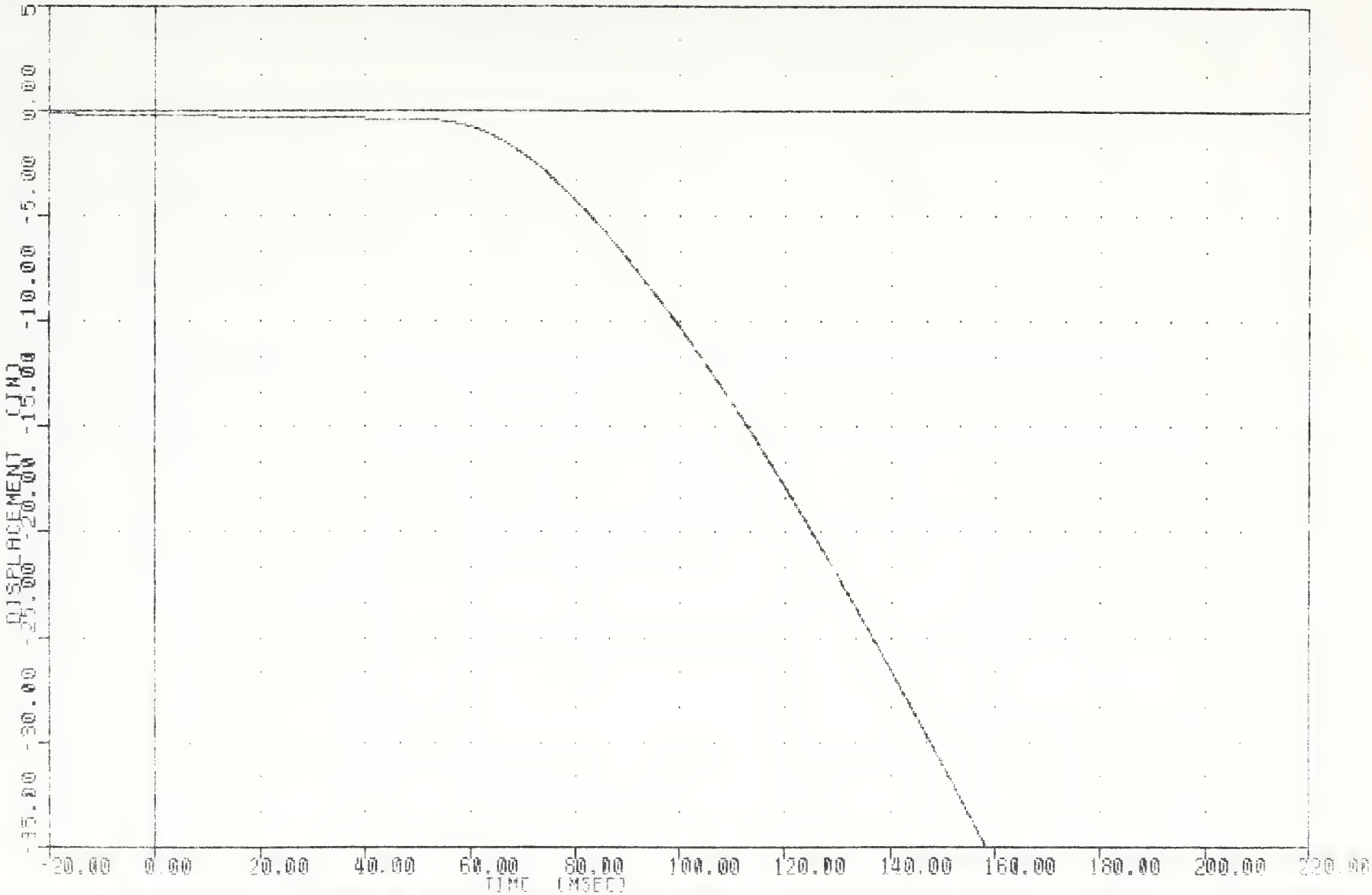
PLOT DATE 25-APR-85 14:14:31

FILTER = BLPF 300/ 949/ -40

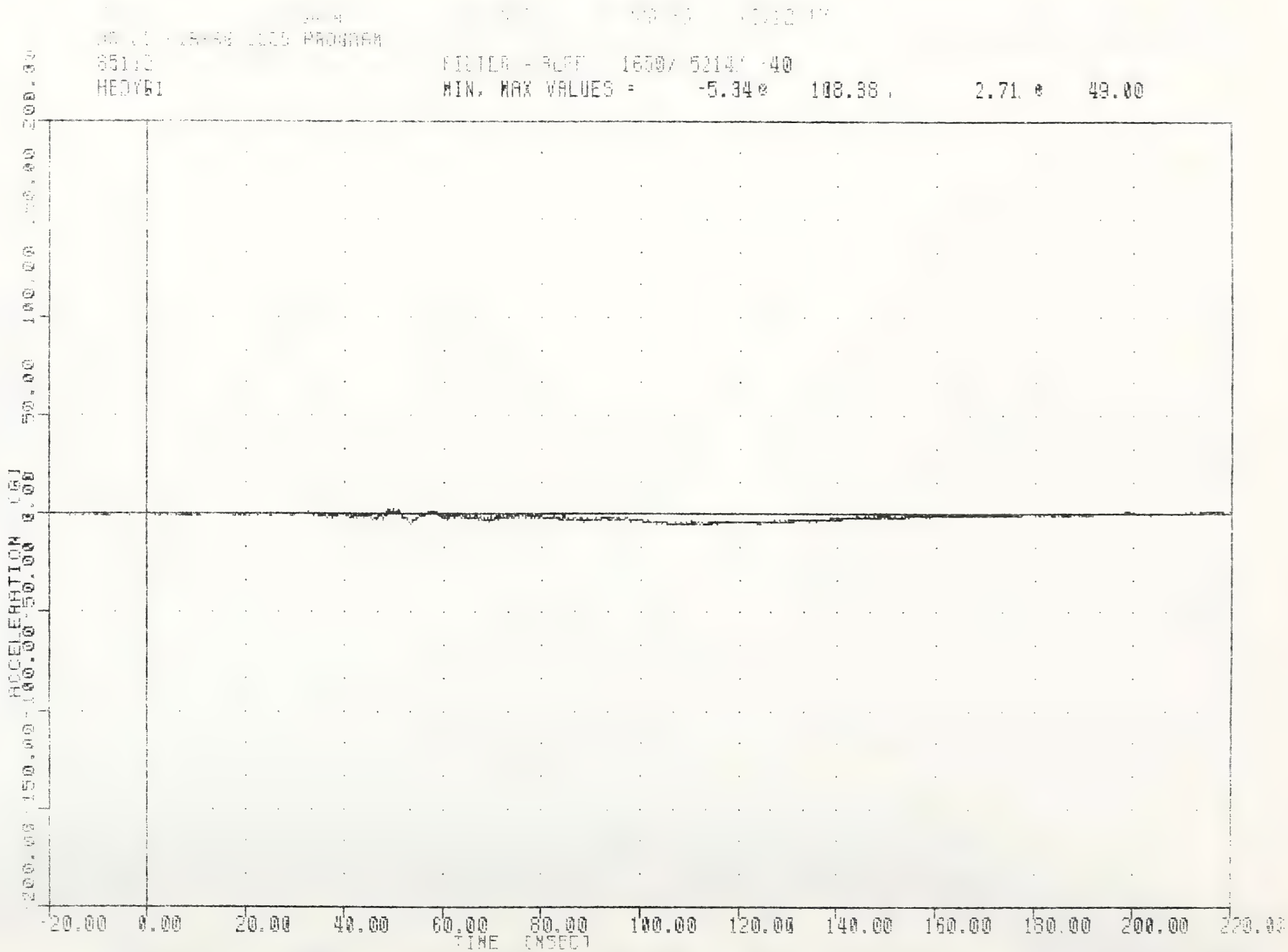
MIN, MAX VALUES = -40.61 @ 186.13 , -0.29 @ 32.25



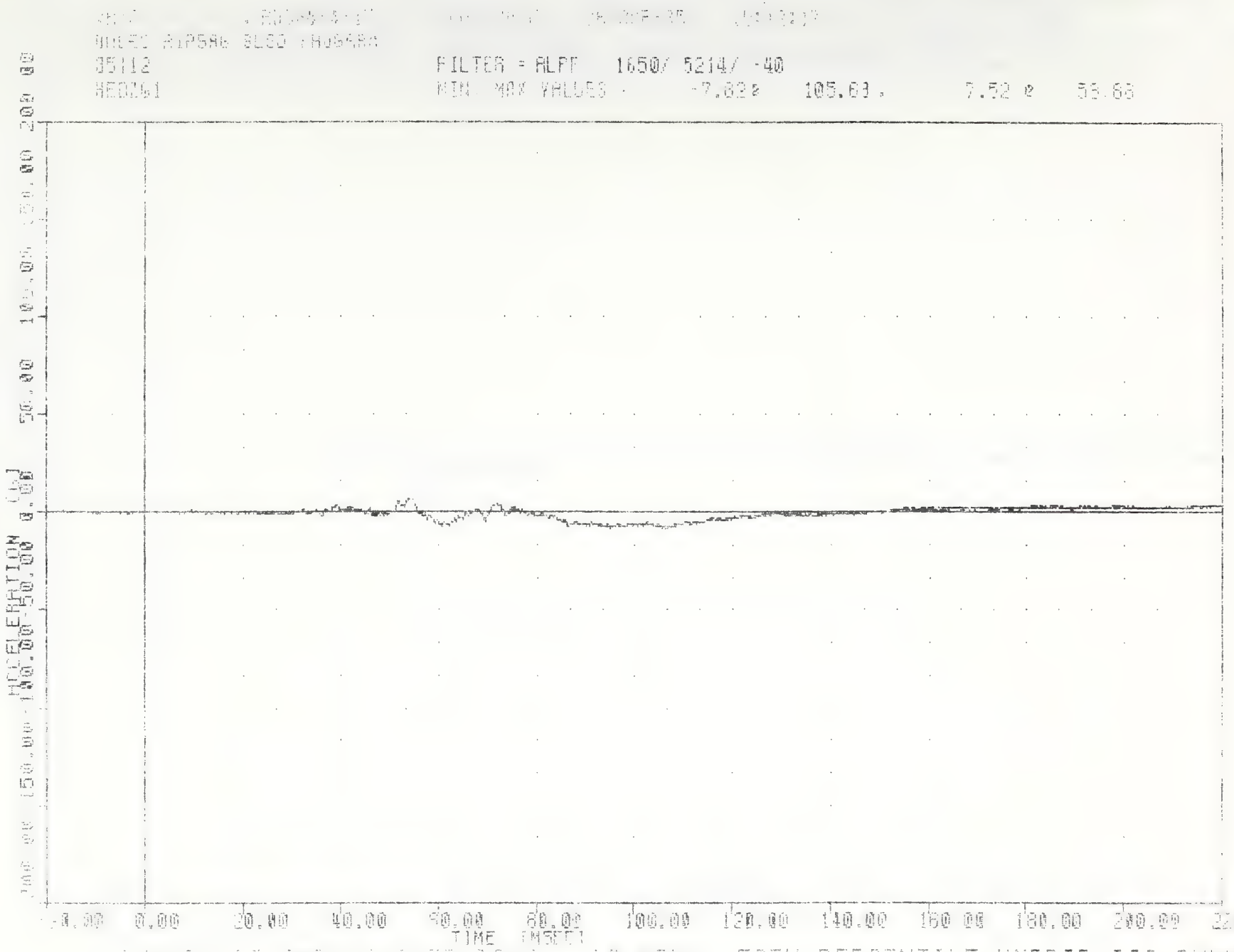
VRTC . RD384-4-17 PLOT DATE 25-APR-85 14:14:31
BASED HIABAG SLED PROGRAM
85112 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN, MAX VALUES = -64.95@ 220.00 , -0.16 @ -20.00



FORWARD IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEADREST

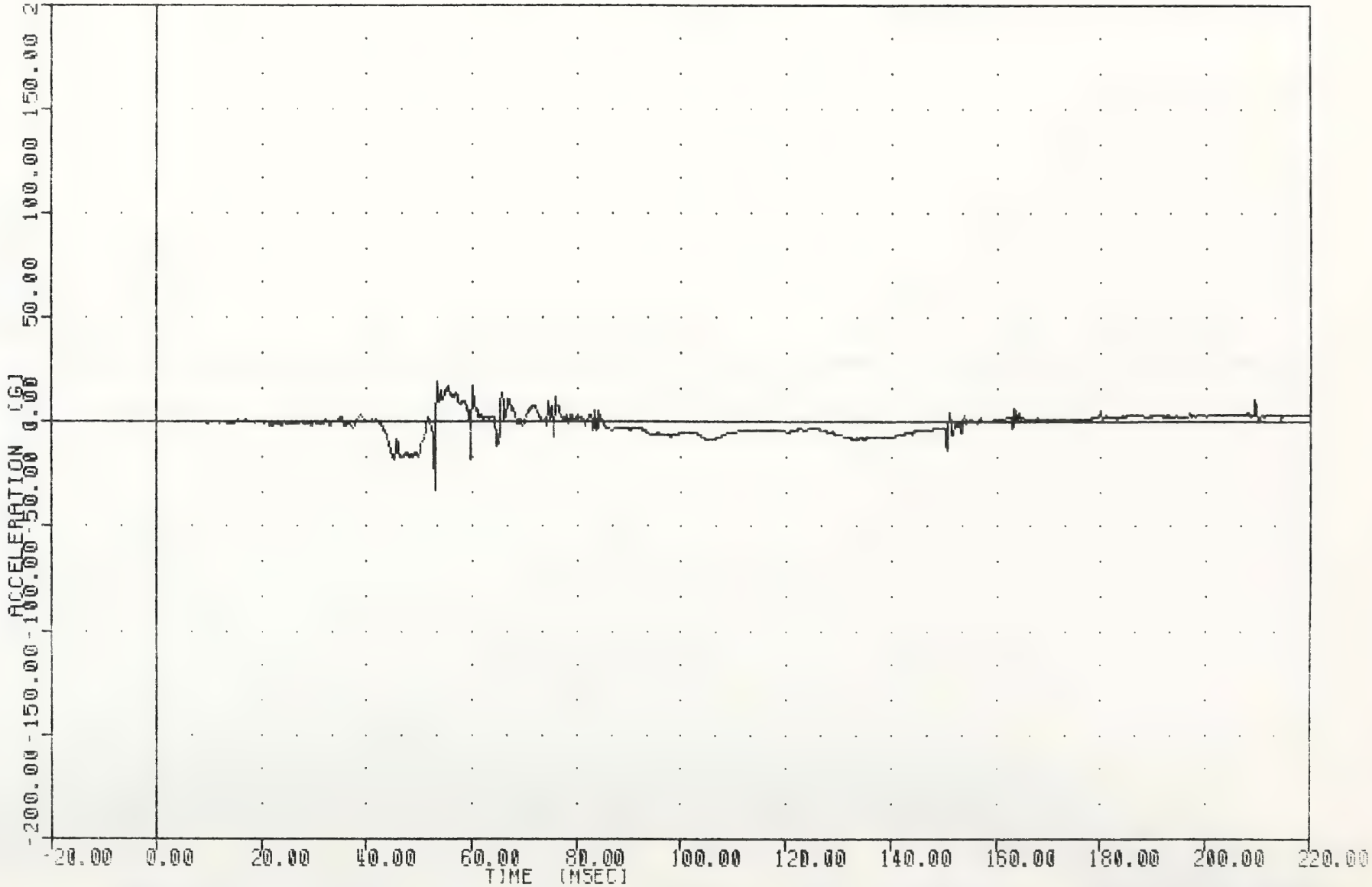


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
UPPER HEAD ACCELERATION : AXIS

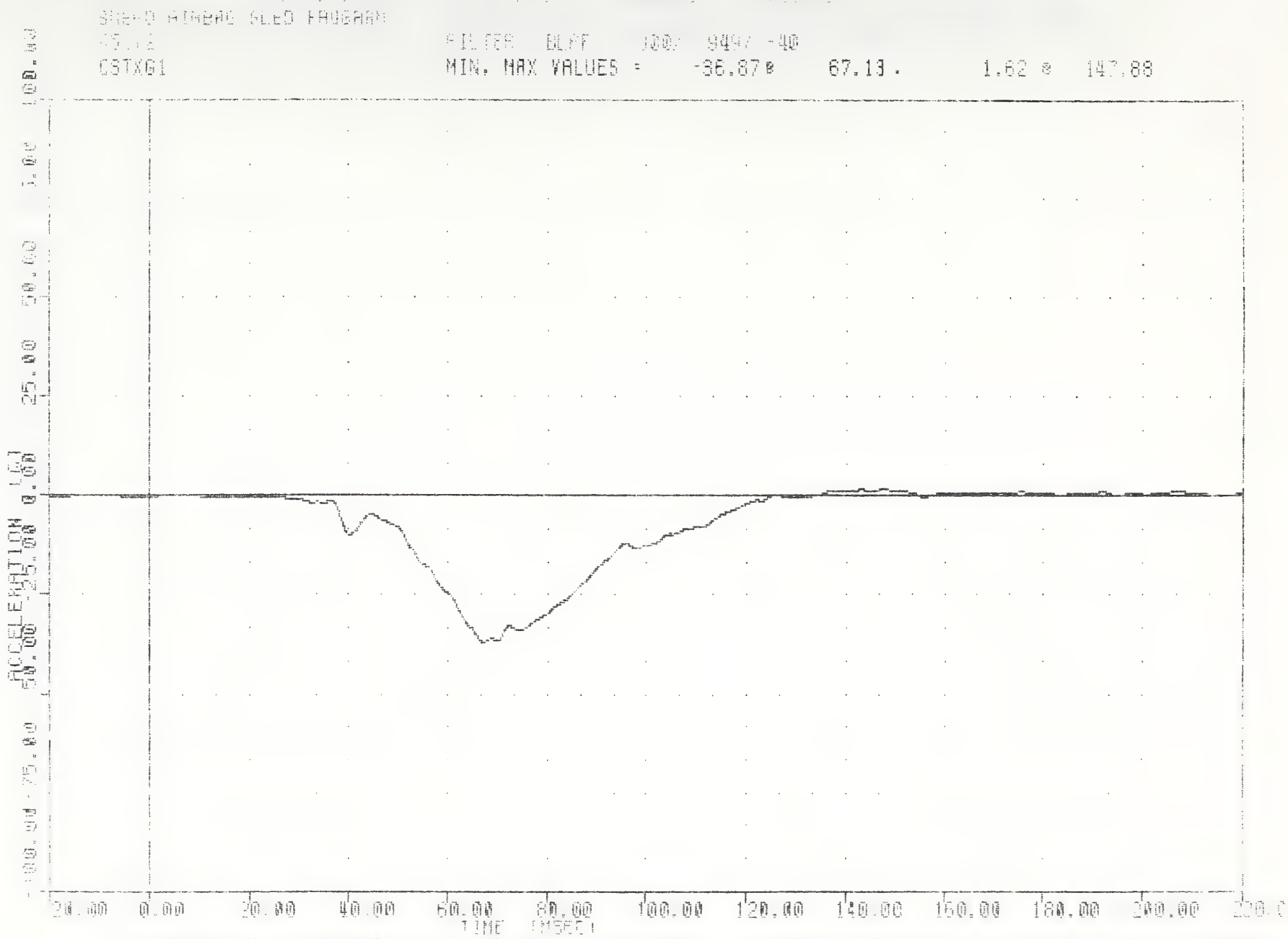


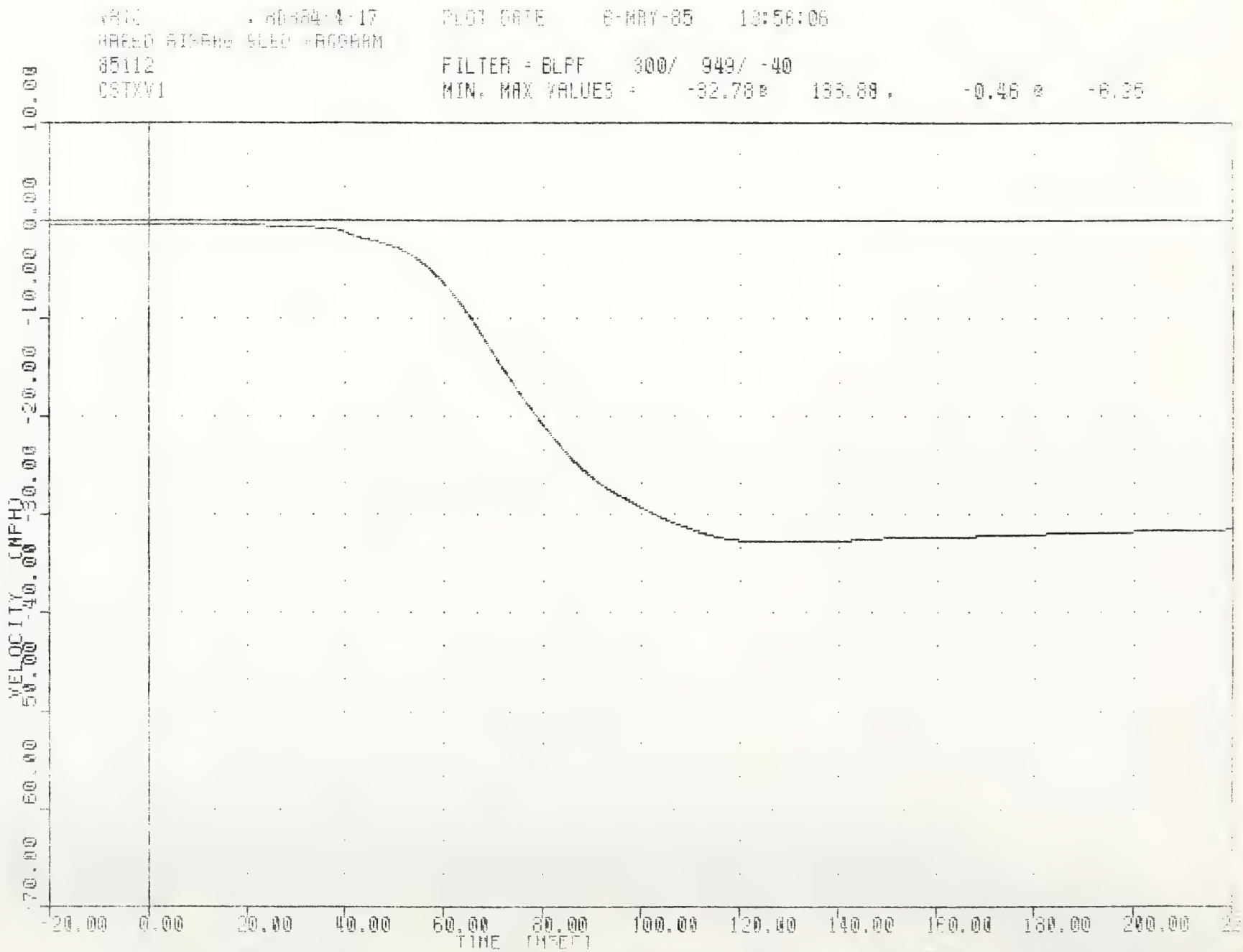
50TH PERCENTILE HYBRID III DUM

VRTC , R0384-4-17 PLOT DATE 3-MAY-85 12:29:48
BREED AIRBAG SLED PROGRAM
85112 FILTER = ALPF 1650/ 5214/ -40
HD2ZG1 MIN, MAX VALUES = -32.80 @ 52.75 , 19.16 @ 53.13

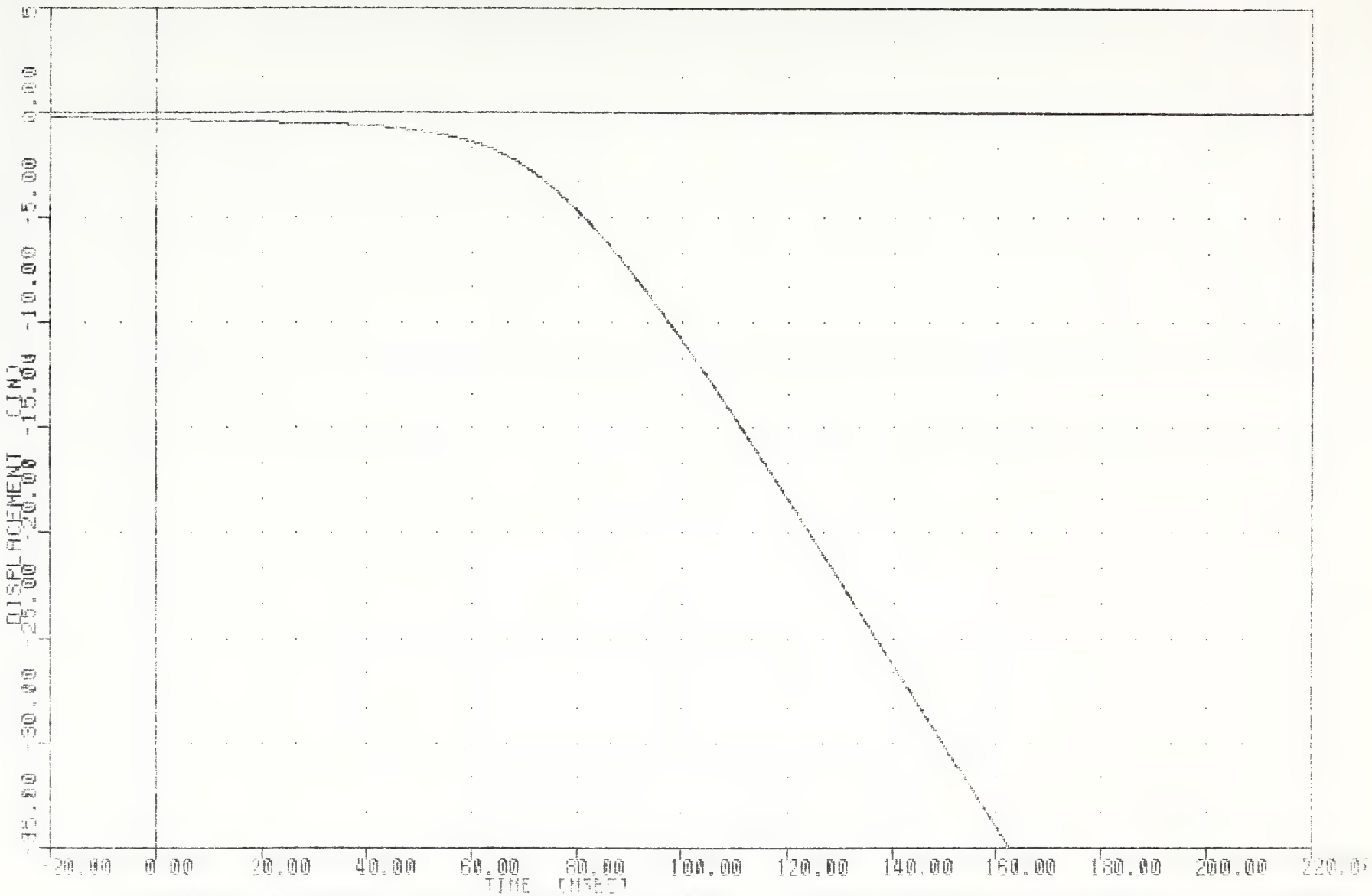


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

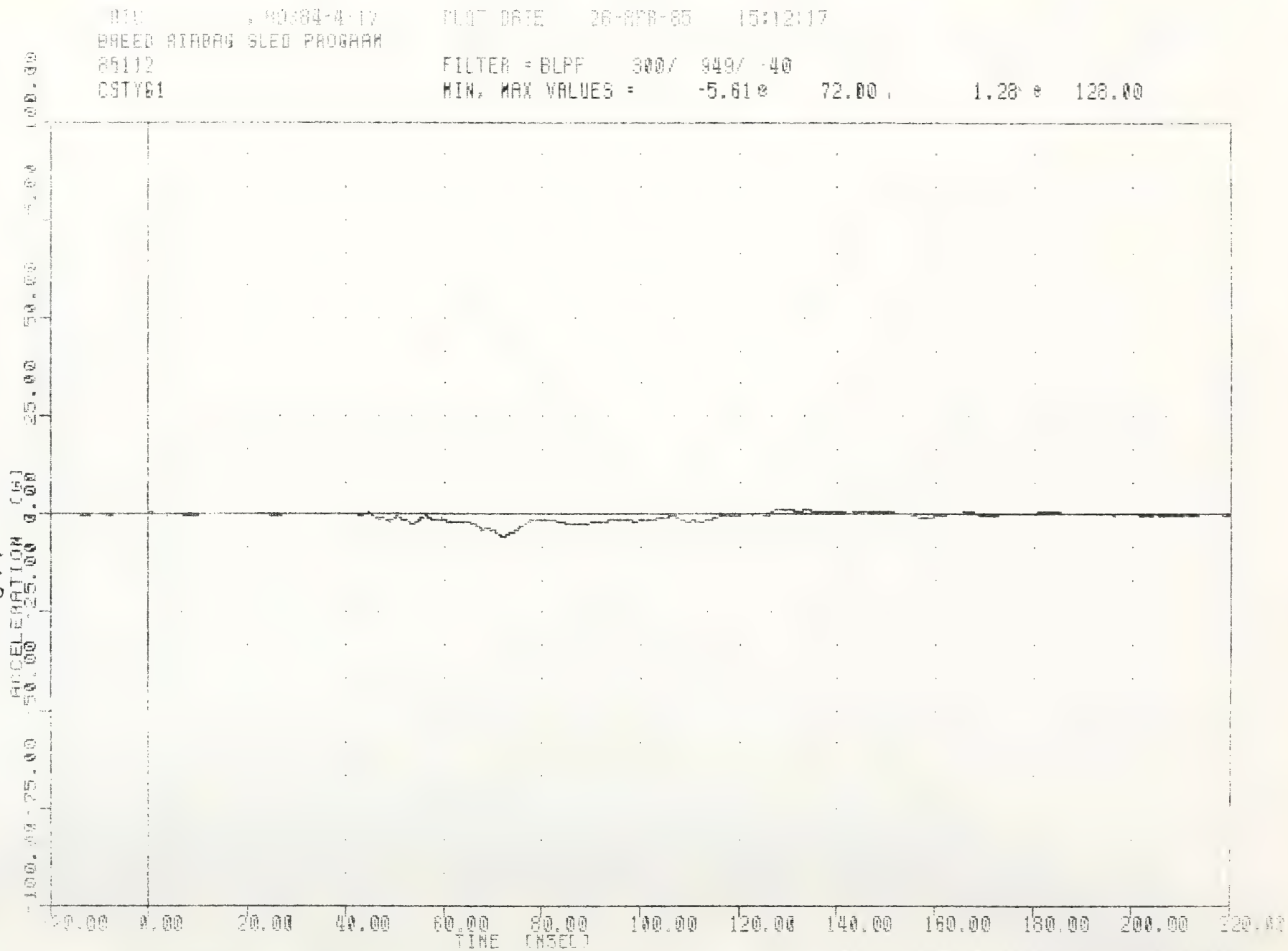

SHERO AIRBAG SLED PROGRAM
CSTXG1
FILTER BLAF
MIN. MAX VALUES = -36.87 @ 67.13 . 1.62 @ 147.88
ACCELERATION (G)
100.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00
20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

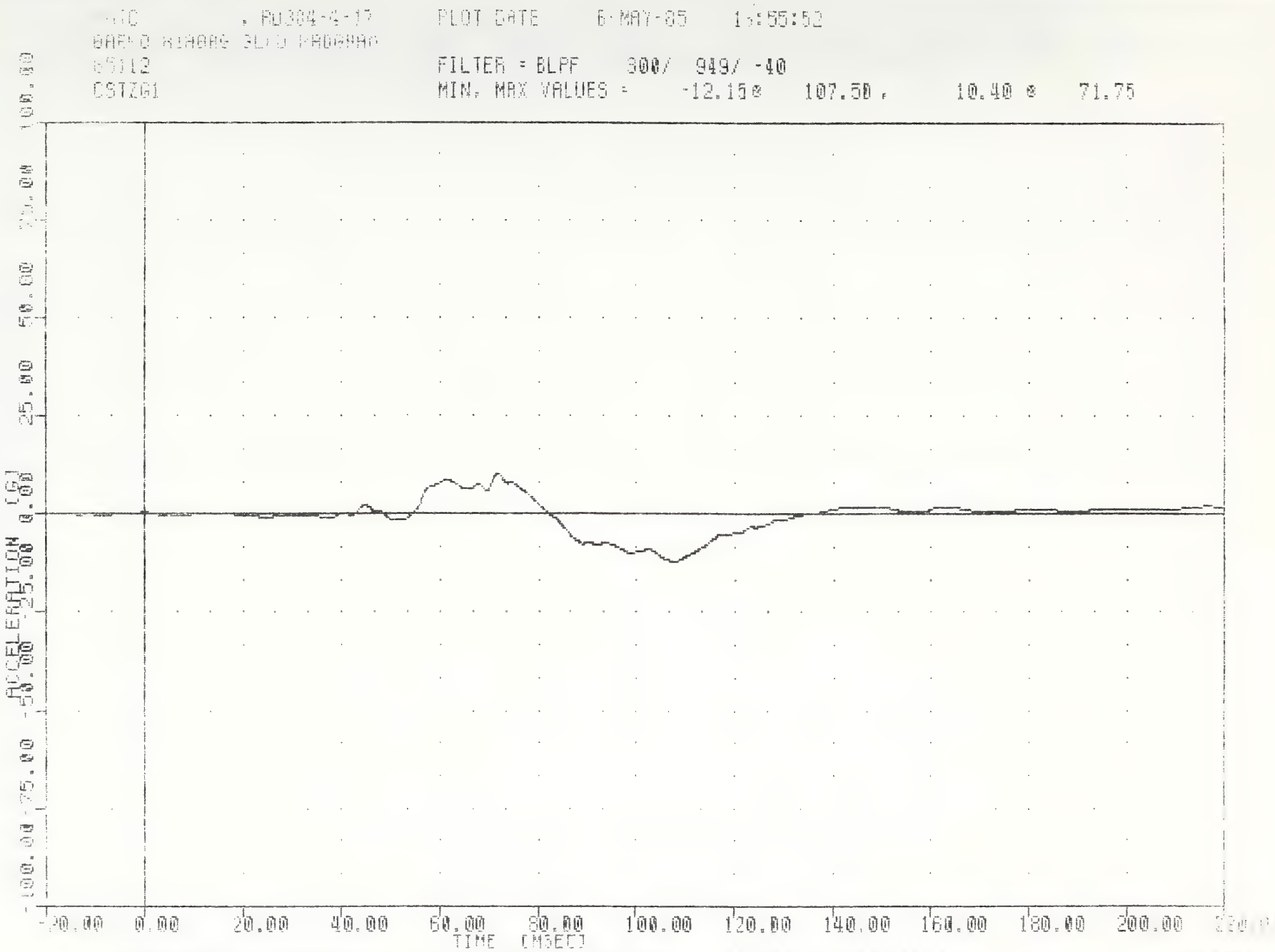

PLOT DATE 8-MAY-85 18:58:06
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -32.78 @ 136.88 , -0.46 @ -6.35
85112
CSTXV1
VELOCITY (MPH)
10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

VRTC , RD384-4-17 PLOT DATE 6-MAY-85 13:56:06
BASED AIRBAG SLED PROGRAM
85112 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN. MAX VALUES = -57.00 @ 220.00 , -0.24 @ -20.00

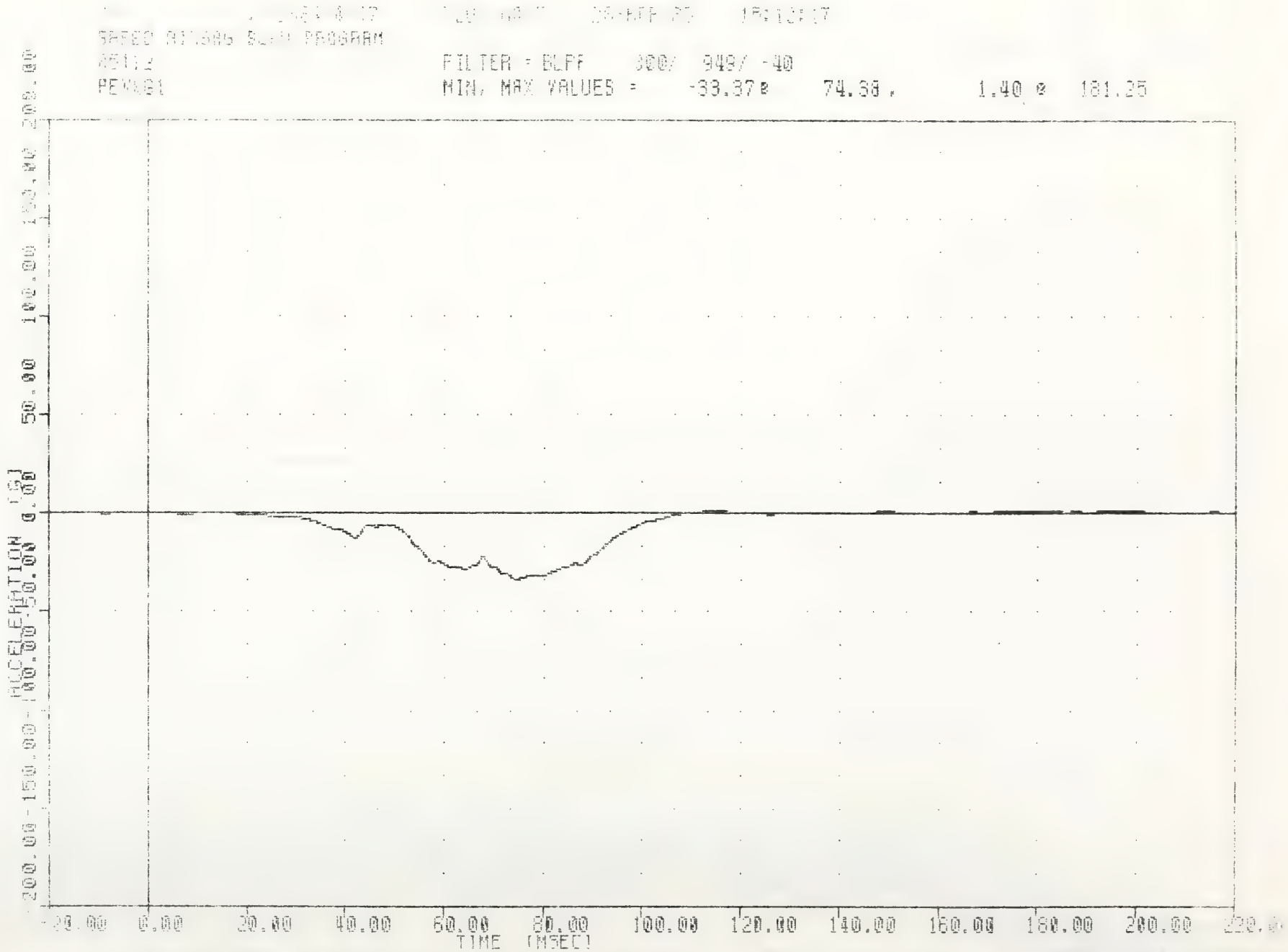


[illegible] SLED TEST 30 MPH 50TH PERCENTILE HYBRID III DUMM
[illegible]

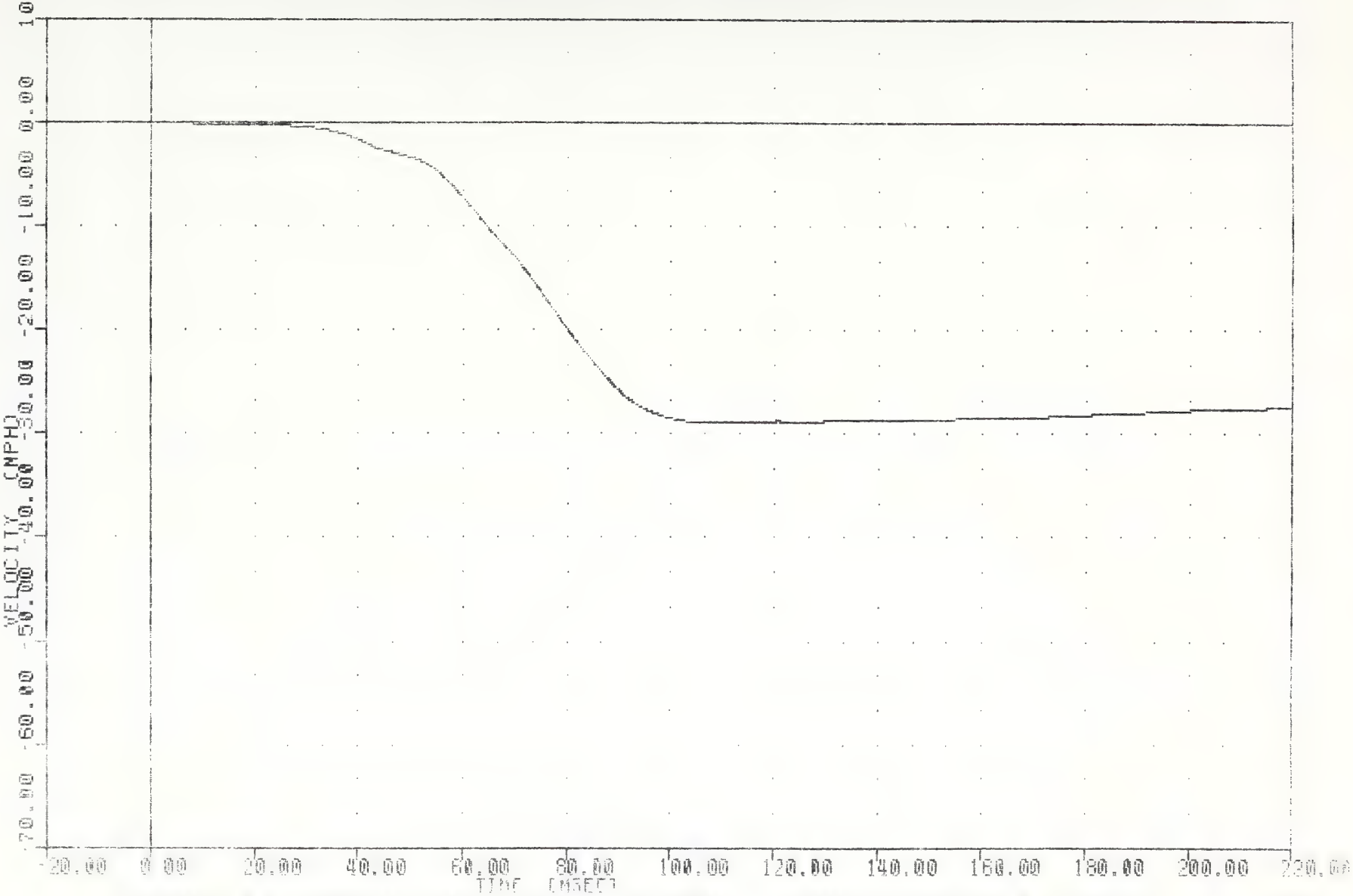

BREED AIRBAG SLED PROGRAM
85112
CSTY61
PLOT DATE 26-APR-85 15:12:17
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -5.61 @ 72.00 , 1.28 @ 128.00
ACCELERATION [G]
TIME [MSEC]



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
UPPER LINKT ACCELERATION X AXIS

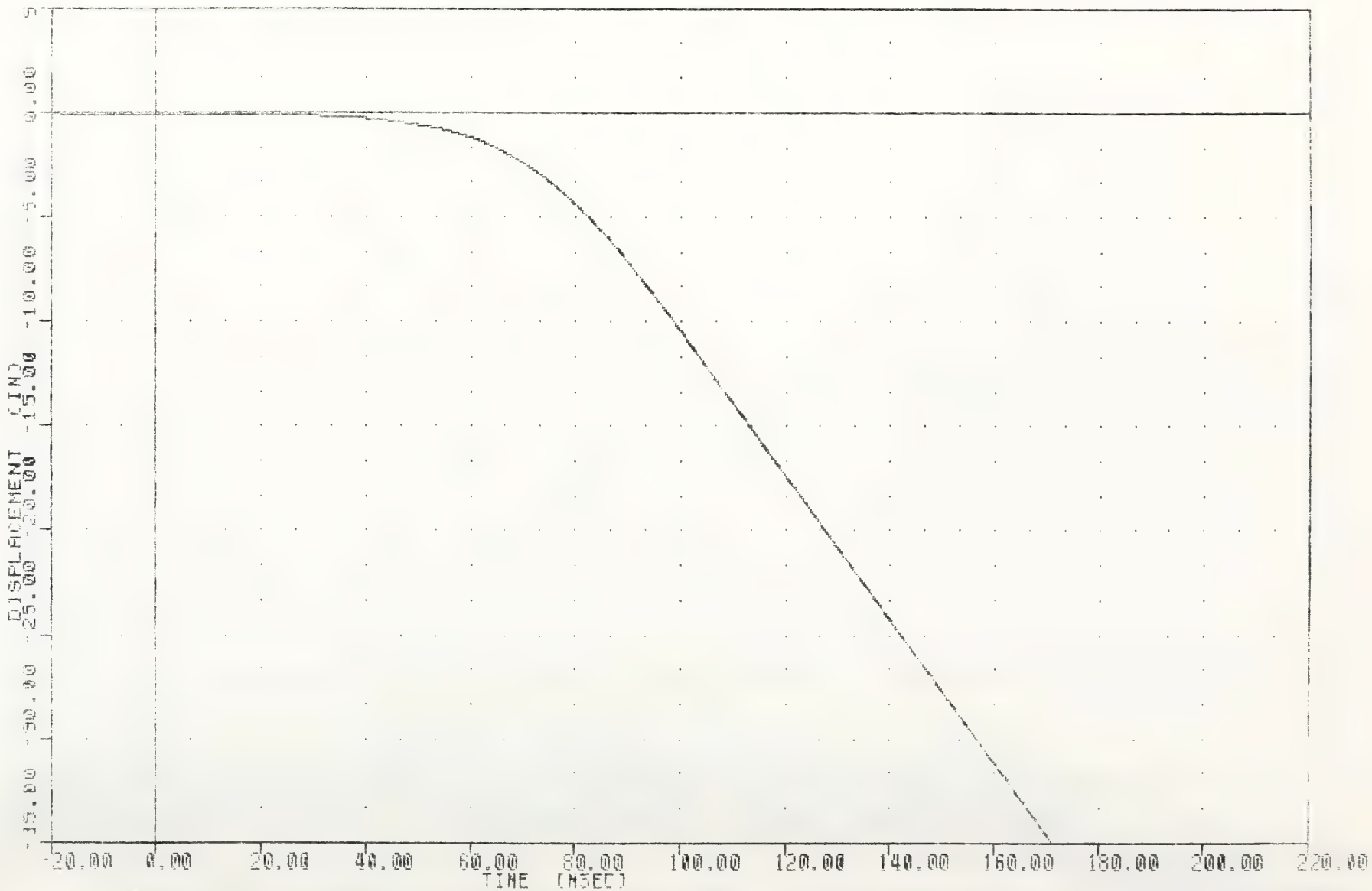

SAFEC 81/386 SLED PROGRAM
FILTER = BLPF 300/ 948/ -40
MIN/ MAX VALUES = -33.37@ 74.38 , 1.40 @ 181.25
ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME (MSEC)

VRTC . RD464-4-17 PLOT DATE 25-APR-85 14:14:31
BREED AIRBAG SLED PROGRAM
85112 FILTER = BLPF 300/ 949/ -40
PEVXV1 MIN, MAX VALUES = -28.95@ 108.38 , -0.11 @ -14.63



[illegible] 50TH PERCENTILE HYBRID III DUMMY

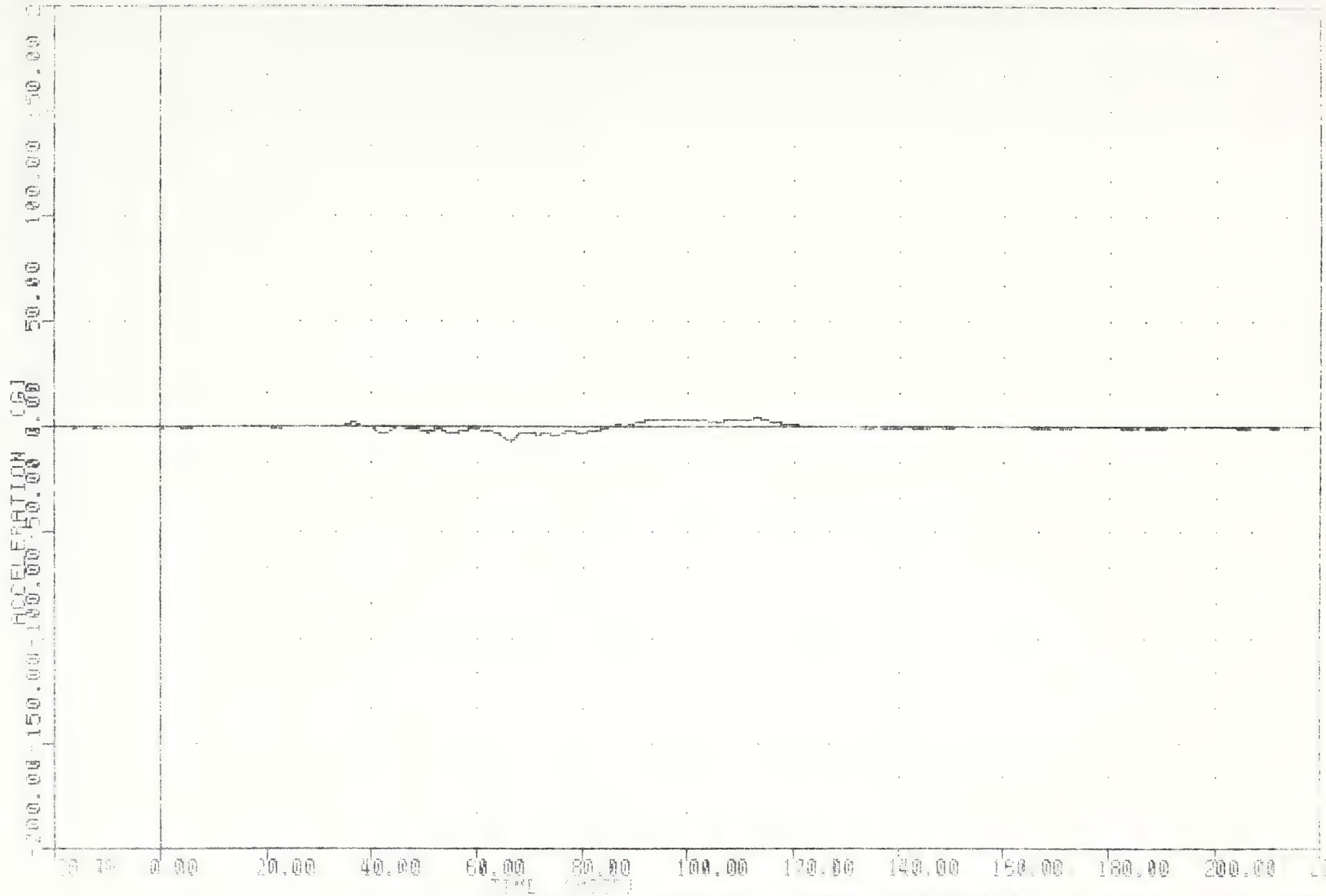
TEST , R0384-4-17 PLOT DATE 25-APR-85 14:14:21
BRAKED HIRAGE SLED PROGRAM
A5112 FILTER = BLPF 300/ 949/ -40
PEWXN1 MIN, MAX VALUES = -51.30@ 220.00 , -0.07 @ -20.00

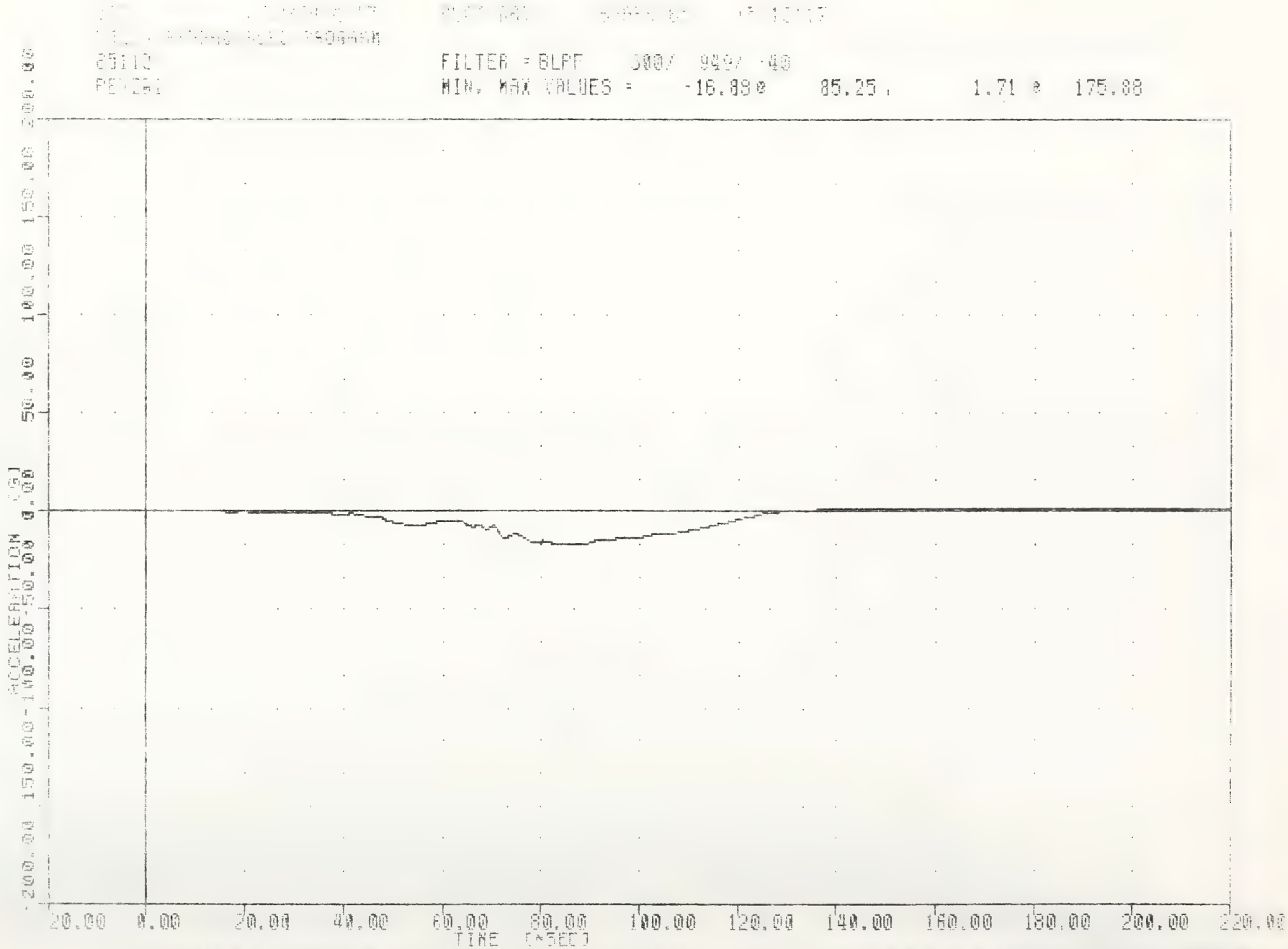


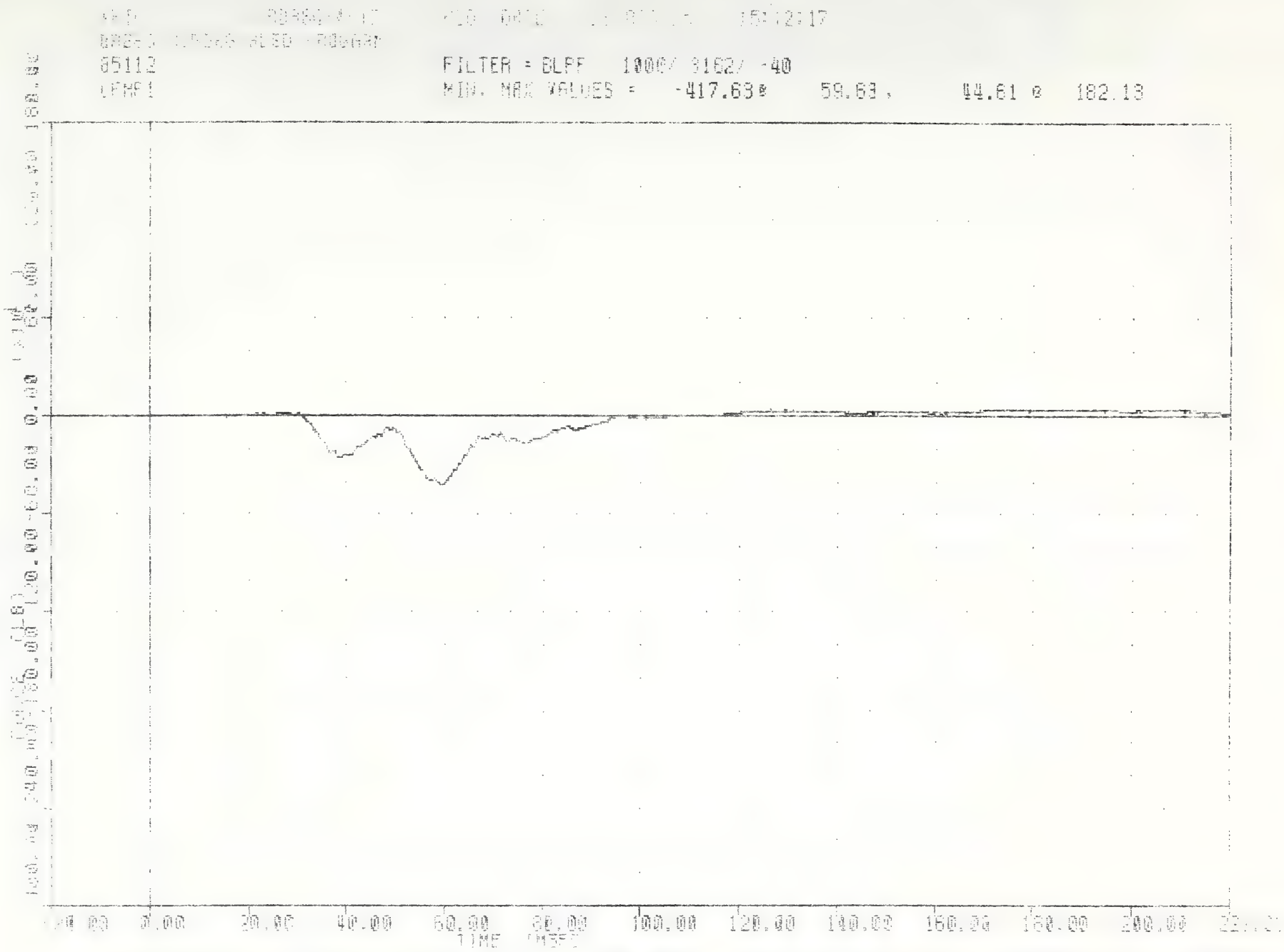
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEWXN1

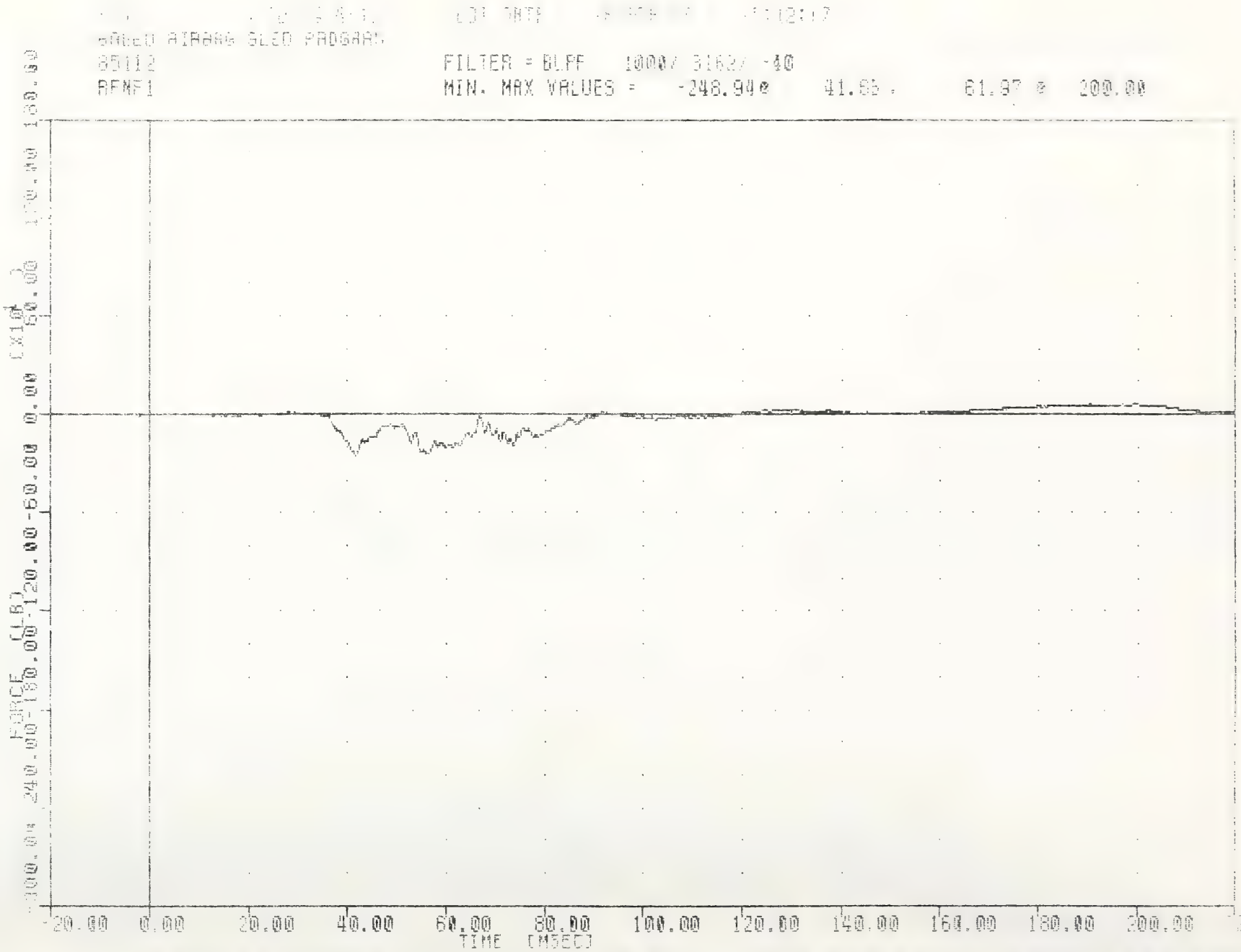
BASED AIRBAG SLED PROGRAM
08:12
PEVYGI

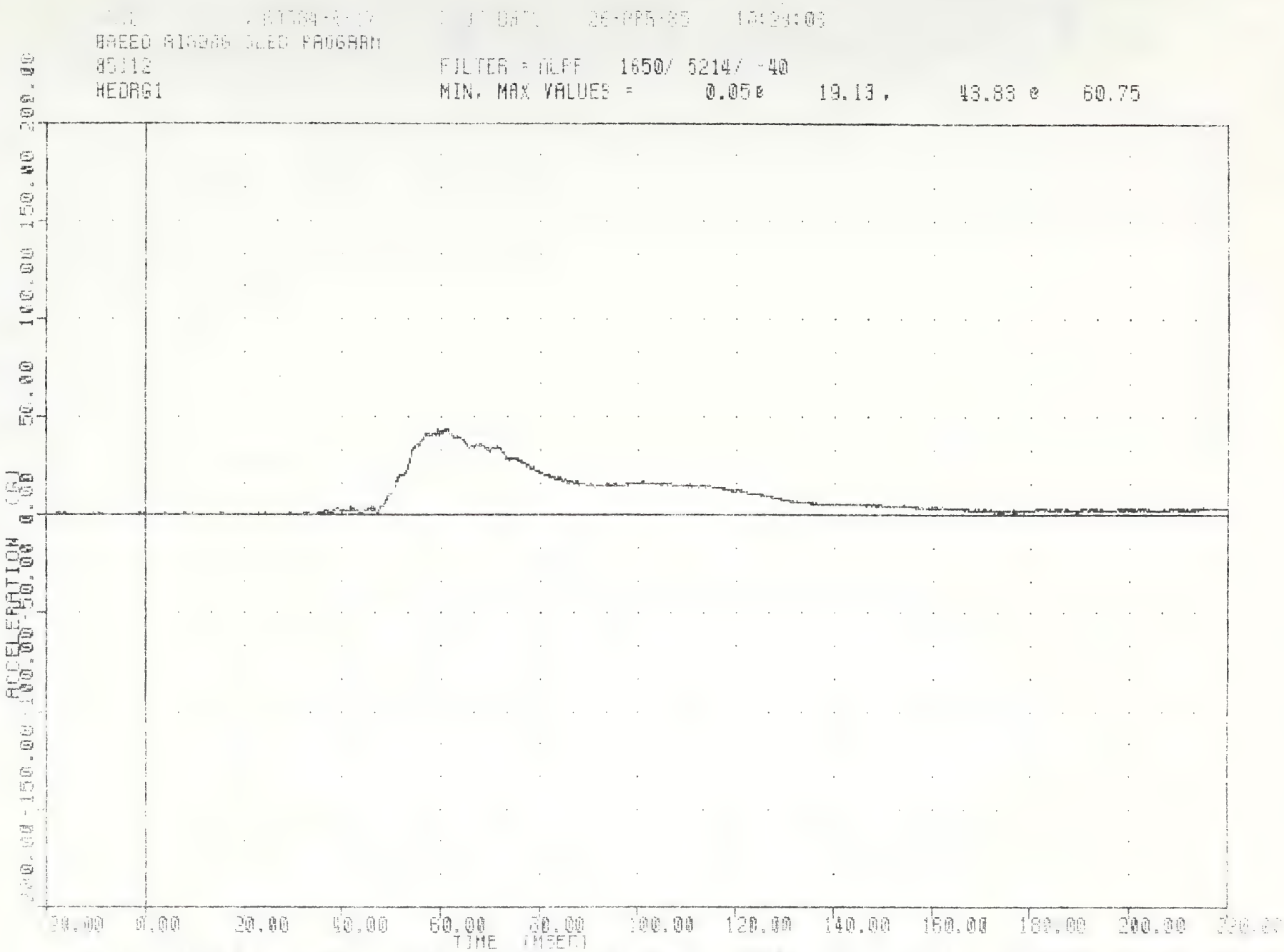
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -6.64@ 66.38 , 4.14 @ 112.88



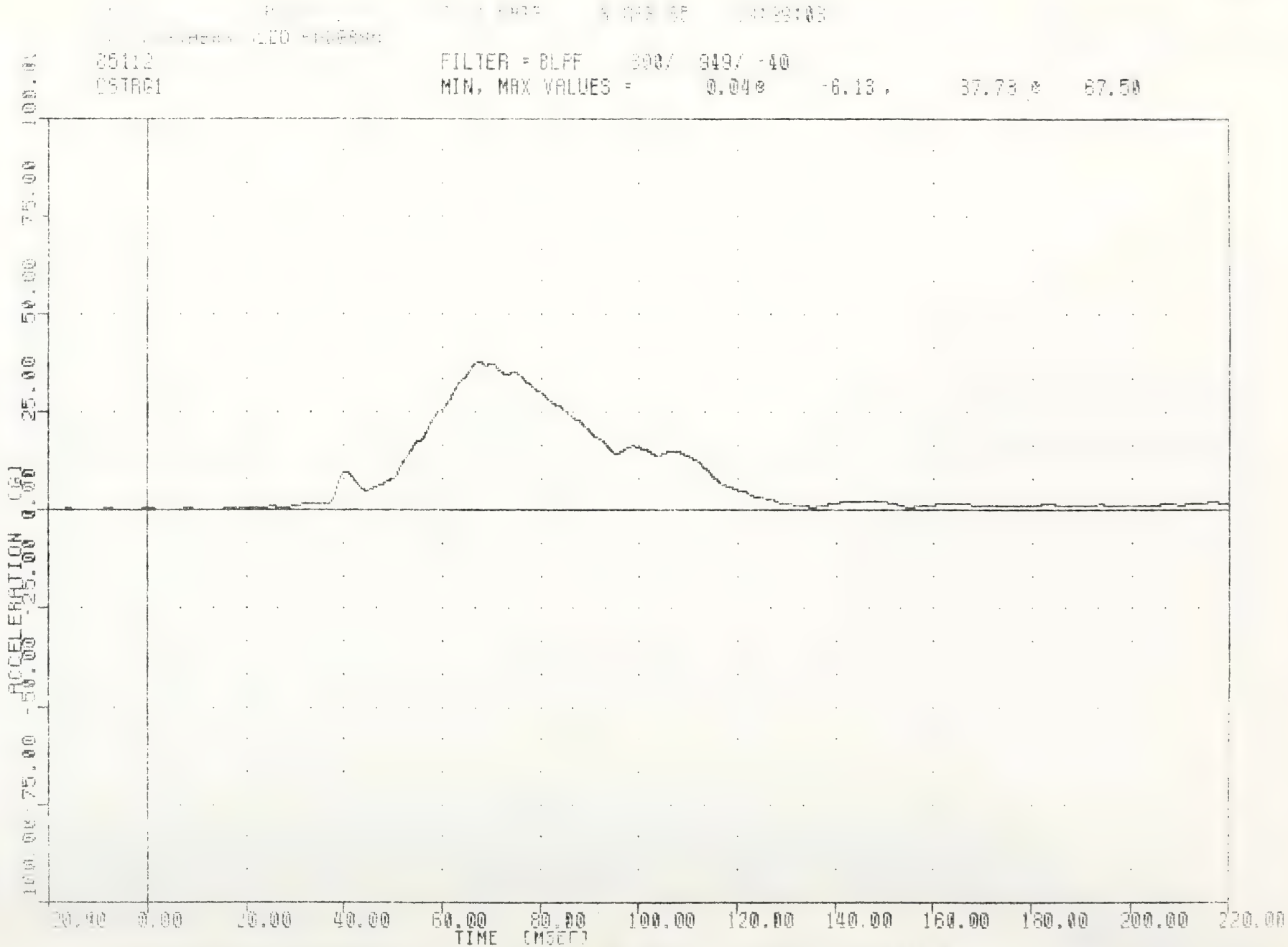

FILTER = BLPF
MIN, MAX VALUES = -16.88 @ 85.25 , 1.71 @ 175.88
ACCELERATION [G]
TIME [MSEC]


FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -417.63@ 59.63, 44.61 @ 182.13
TIME (MSEC)

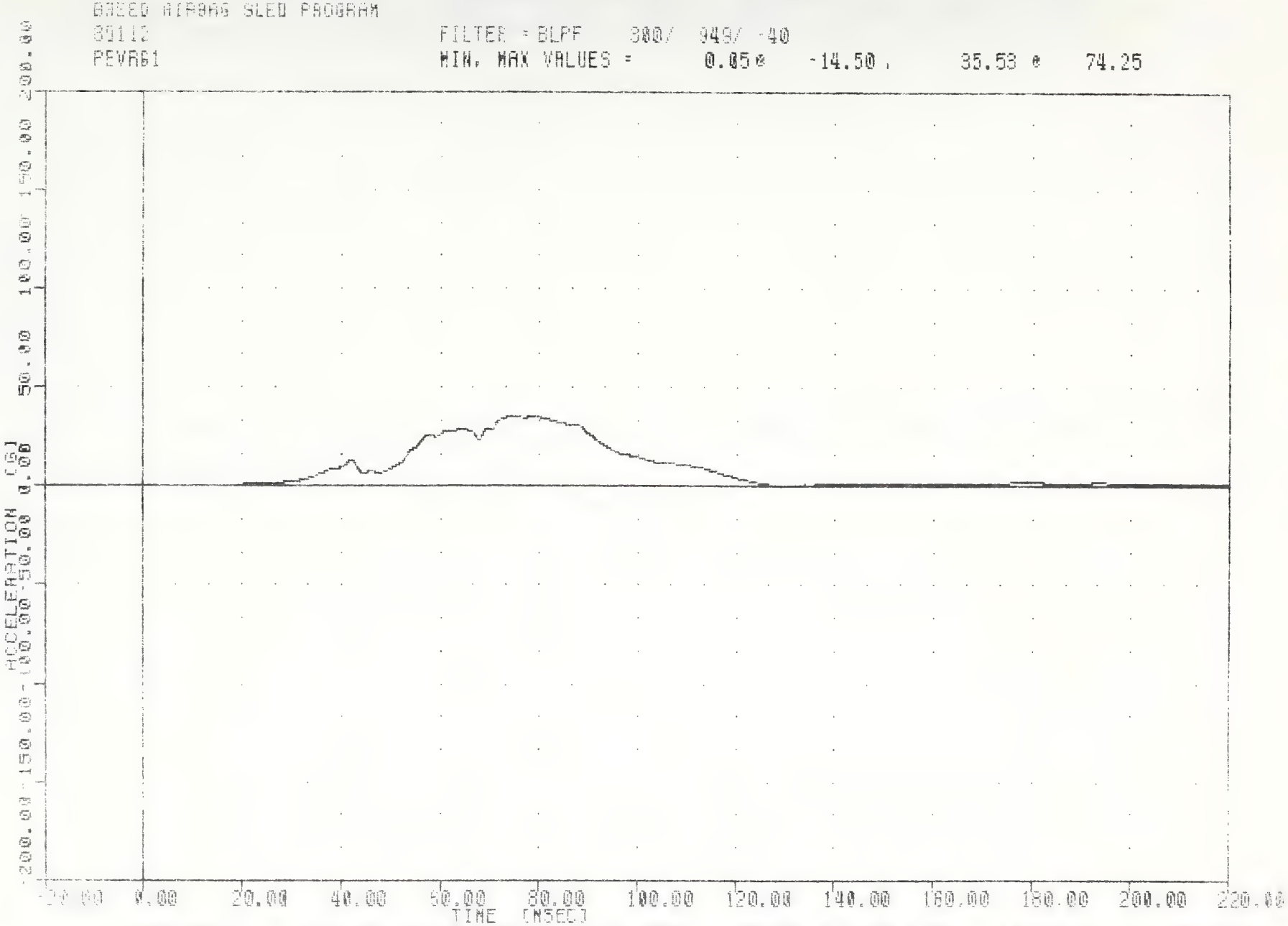

AIRBAG SLED PROGRAM
85112
RFMF1
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -248.94@ 41.85 , 61.87 @ 200.00
FORCE (LB)
(X10)
TIME (MSEC)
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00

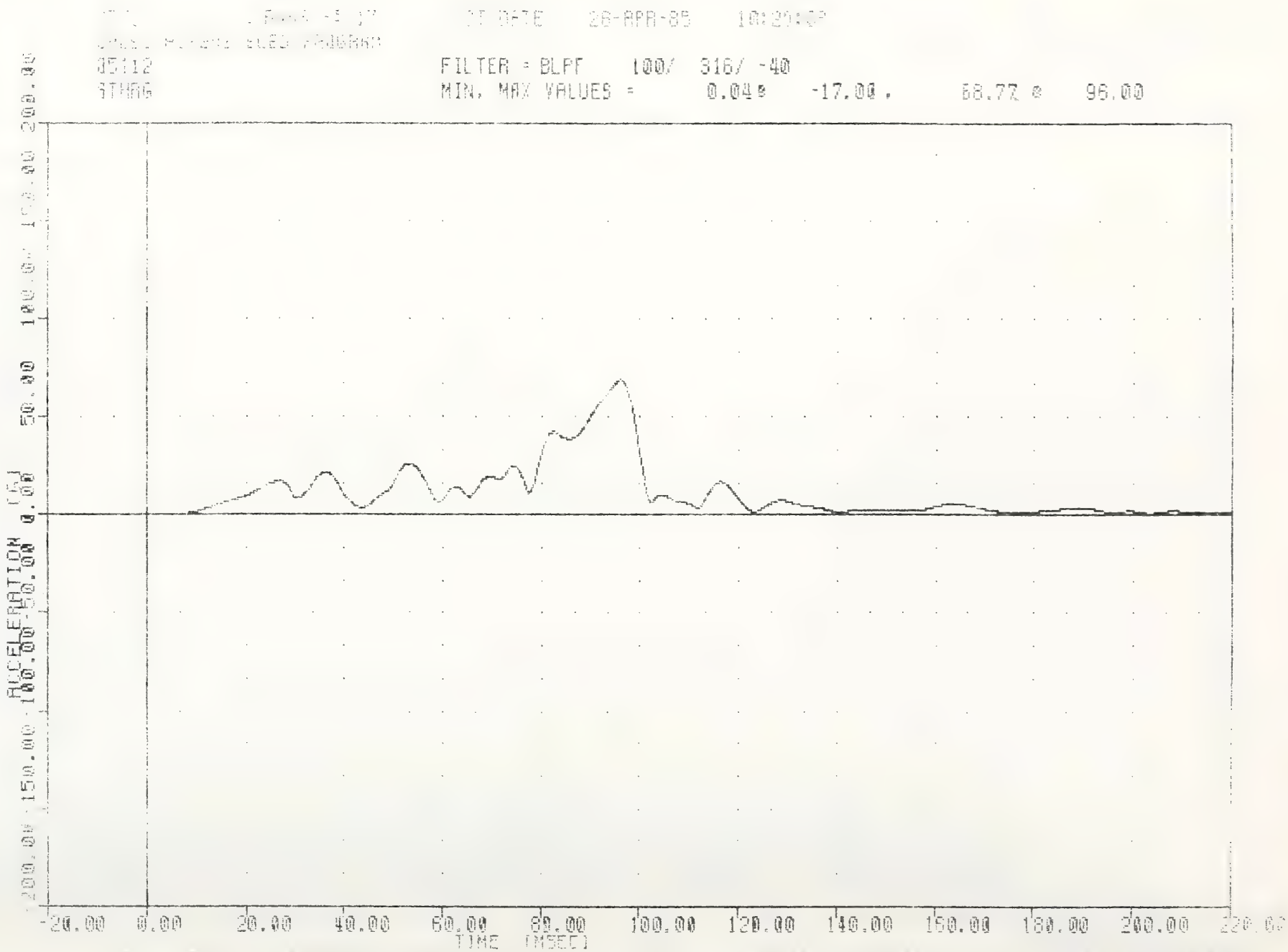


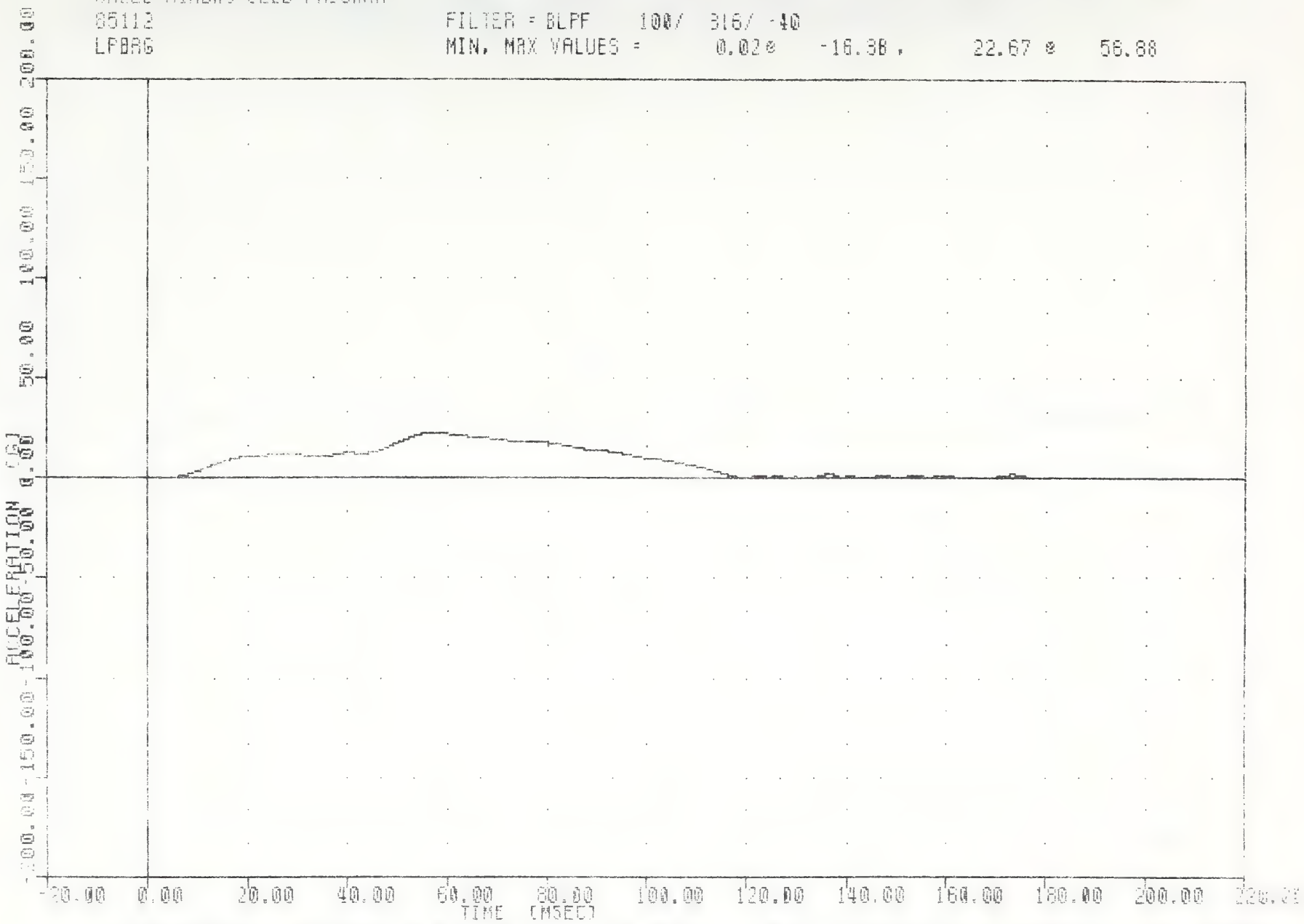
CHE COMPT [illegible] ACCEL TEST : 30 MPH 50TH PERCENTILE HYBRID III DUMMY
[illegible]



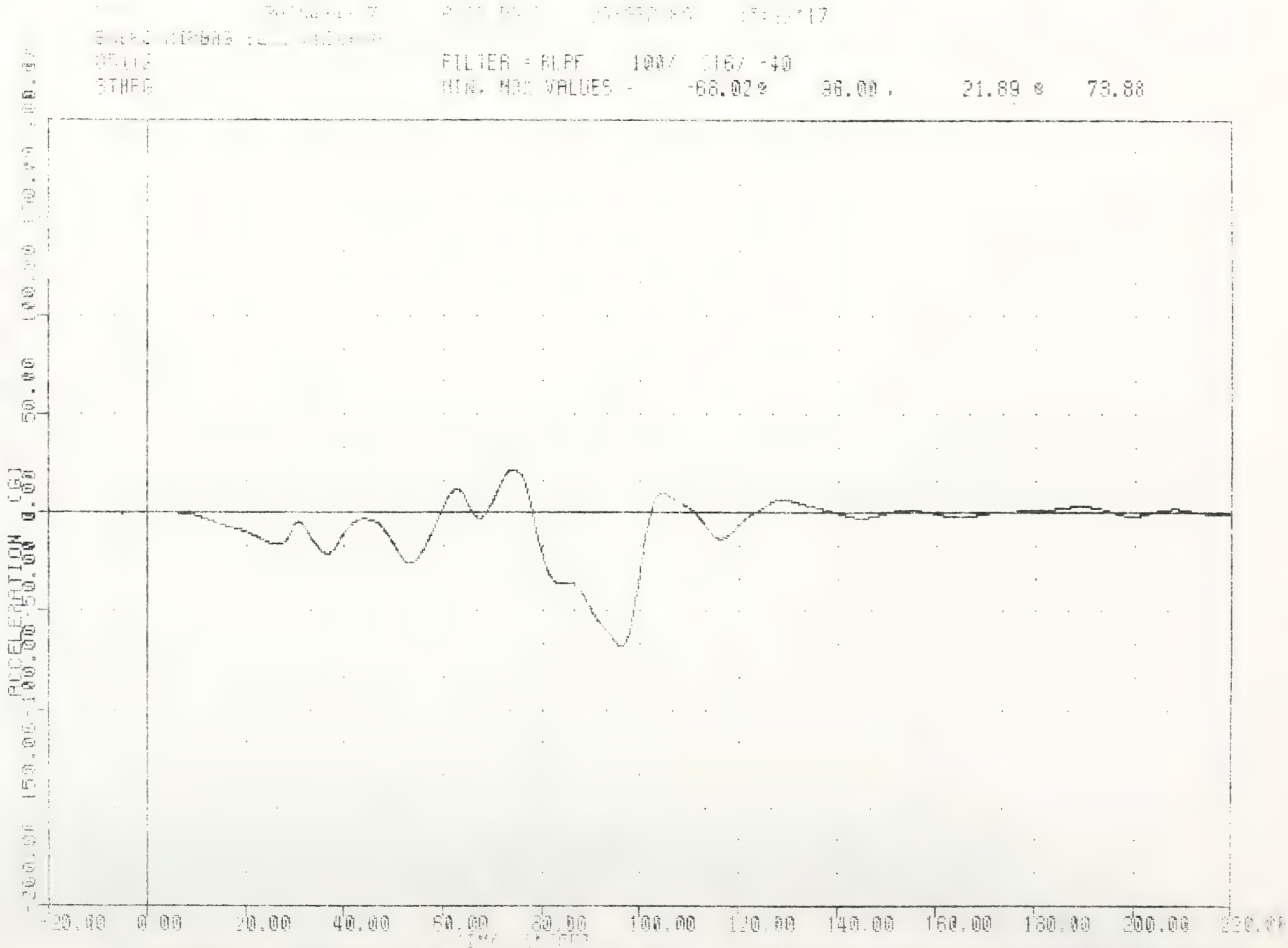
CHEVROLET IMPALA SLED TEST - 32 MPH - 50TH PERCENTILE HYBRID III DUMMY

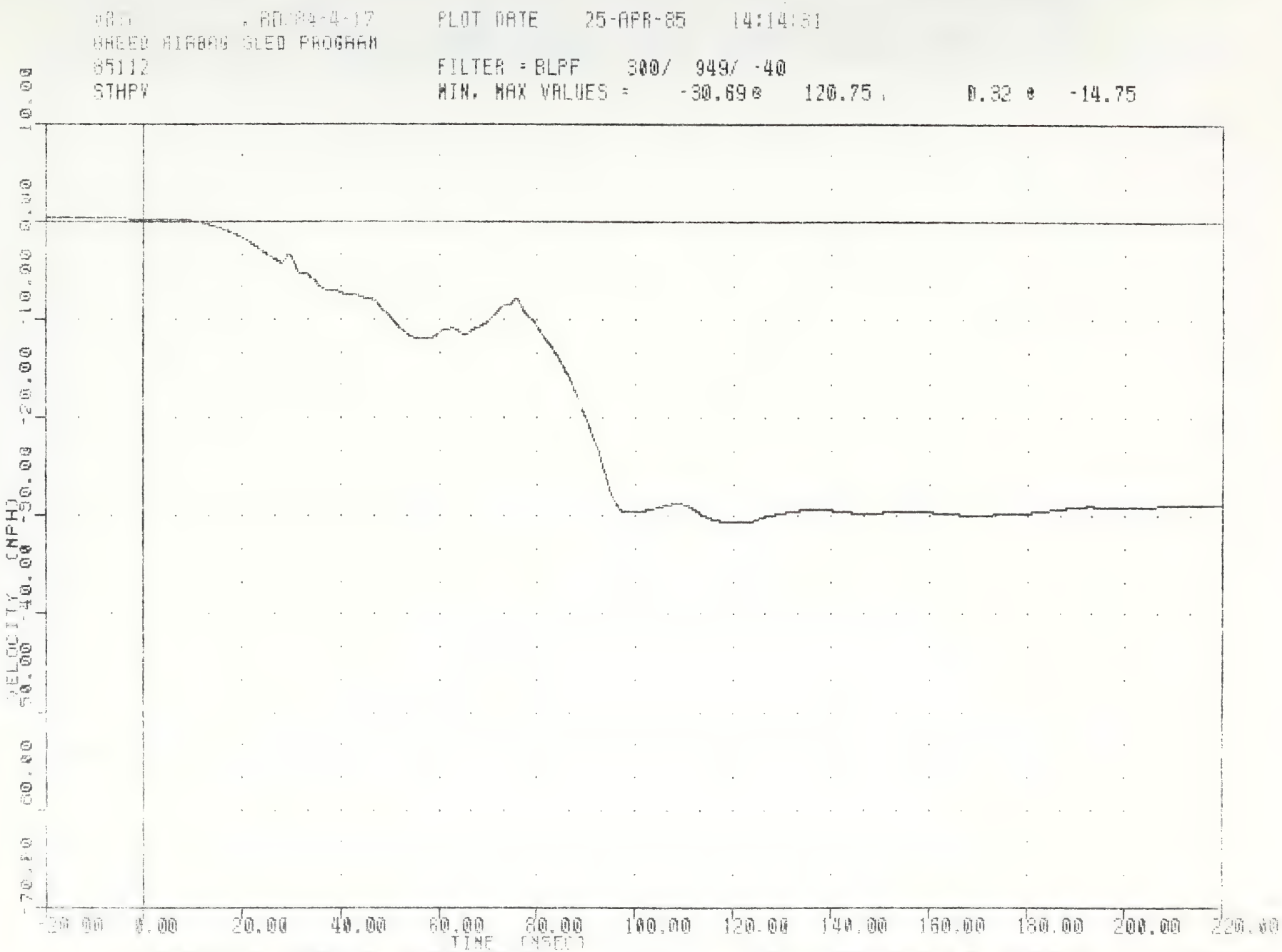

BREED AIRBAG SLED PROGRAM
30112
PEVRG1
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.05 @ -14.50 , 35.53 @ 74.25
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME [MSEC]

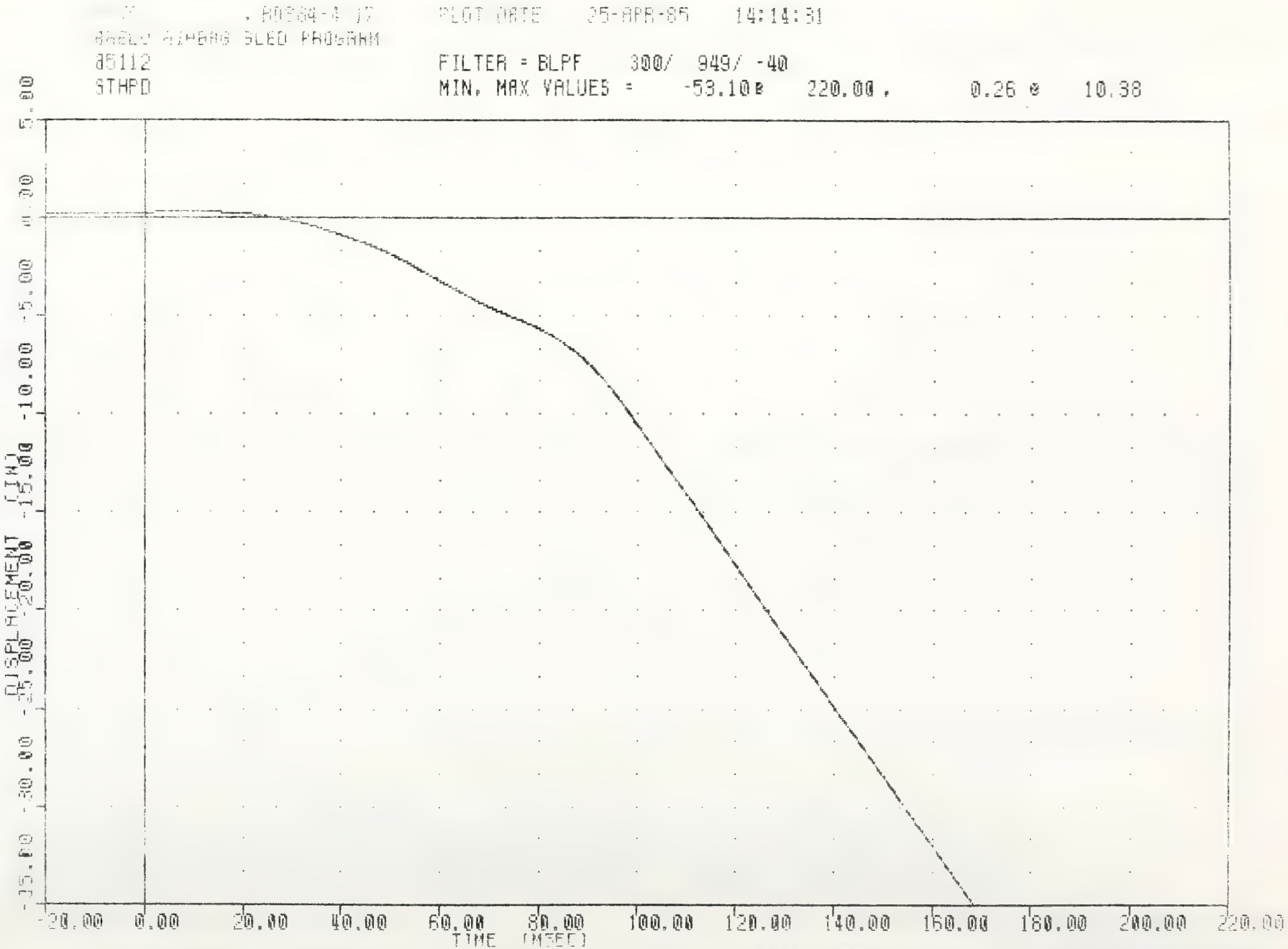

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = 0.04 @ -17.00 , 68.77 @ 96.00
ACCELERATION (G)
TIME (MSEC)



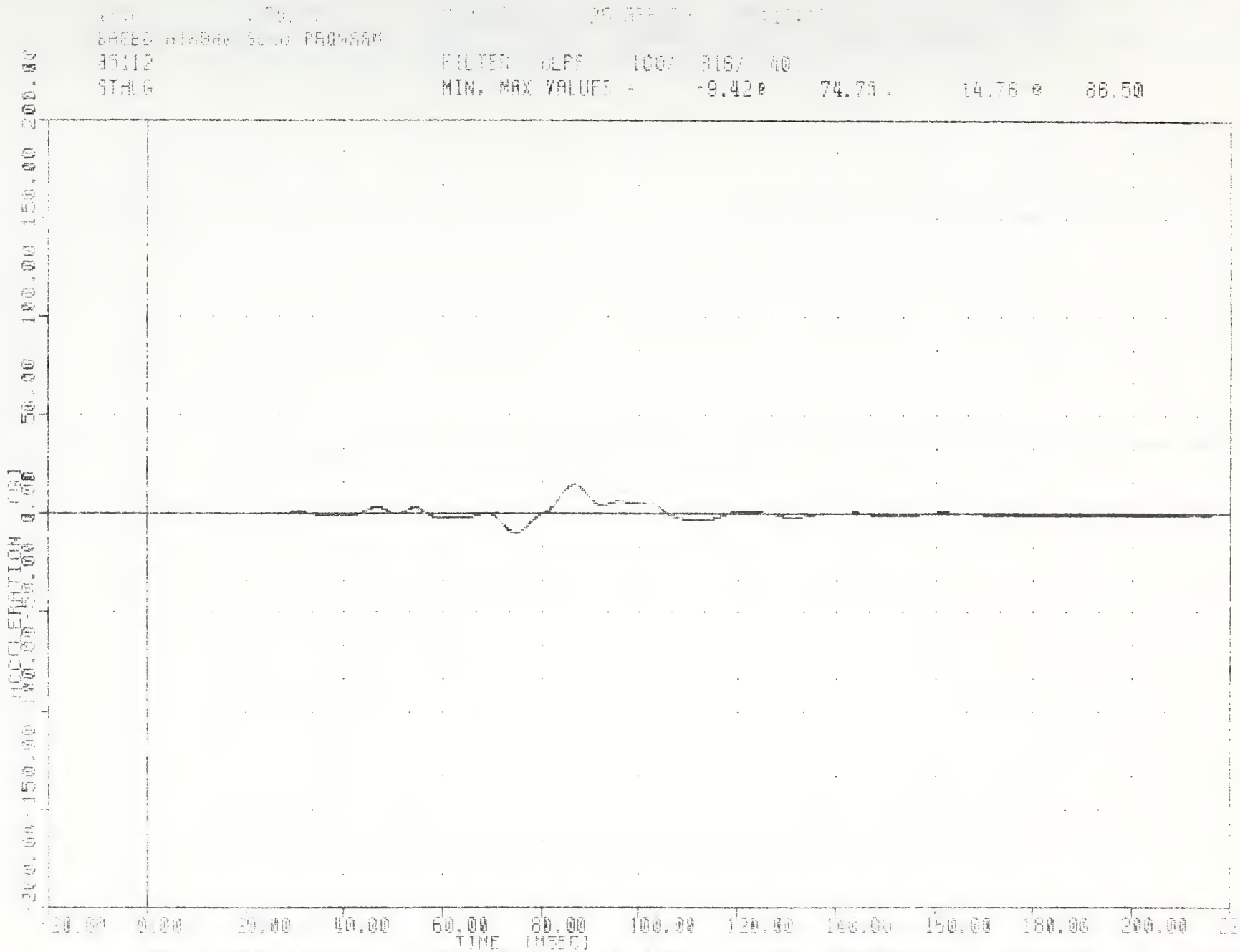
CHEVROLET IMPALA SLED TEST 30 MPH 50TH PERCENTILE HYBRID III DUMMY

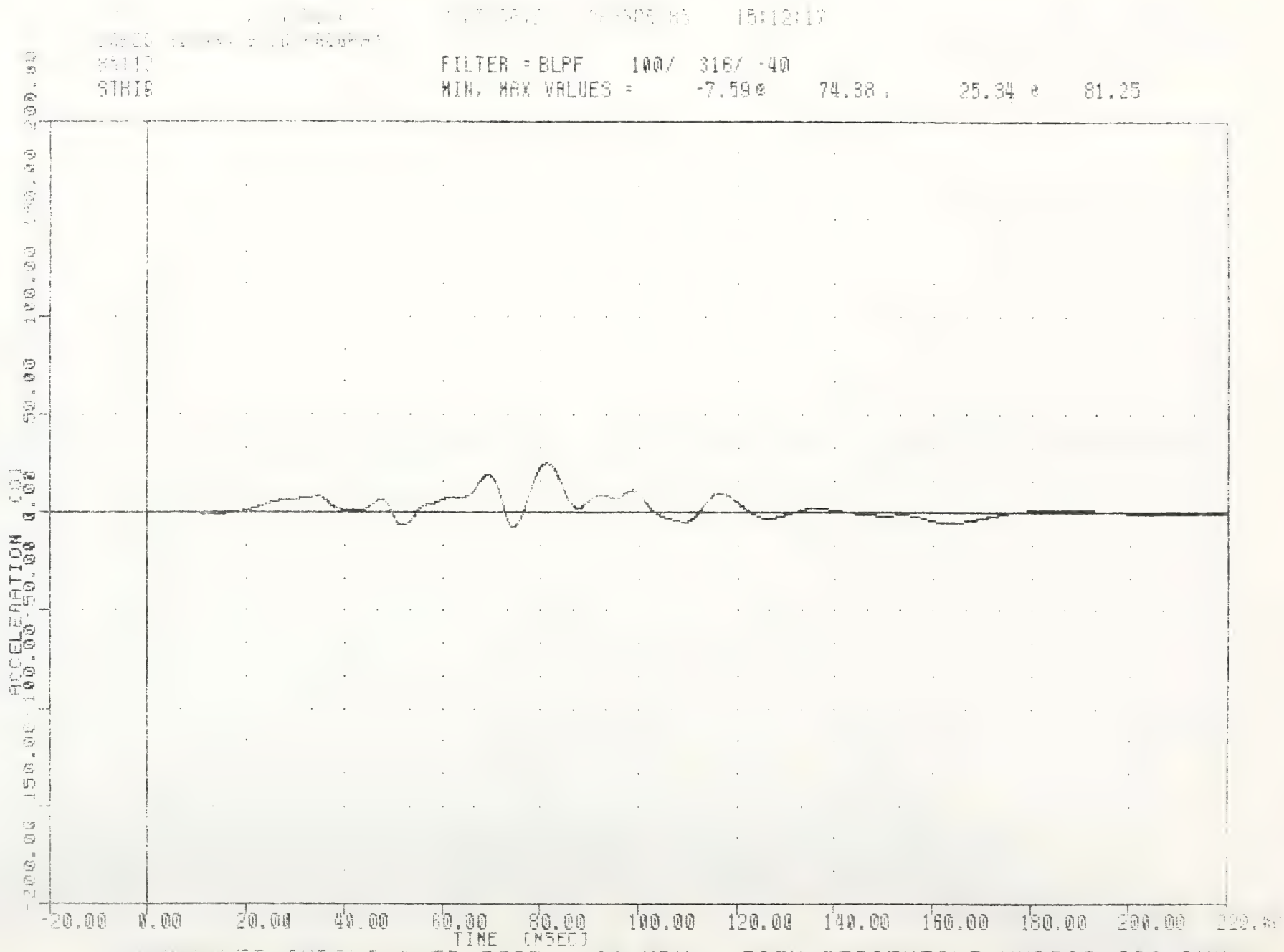

FILTER = ALPF 100% 316% -40
MIN. MAX VALUES - -66.02 @ 36.00 , 21.89 @ 73.88
ACCELERATION [G]
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

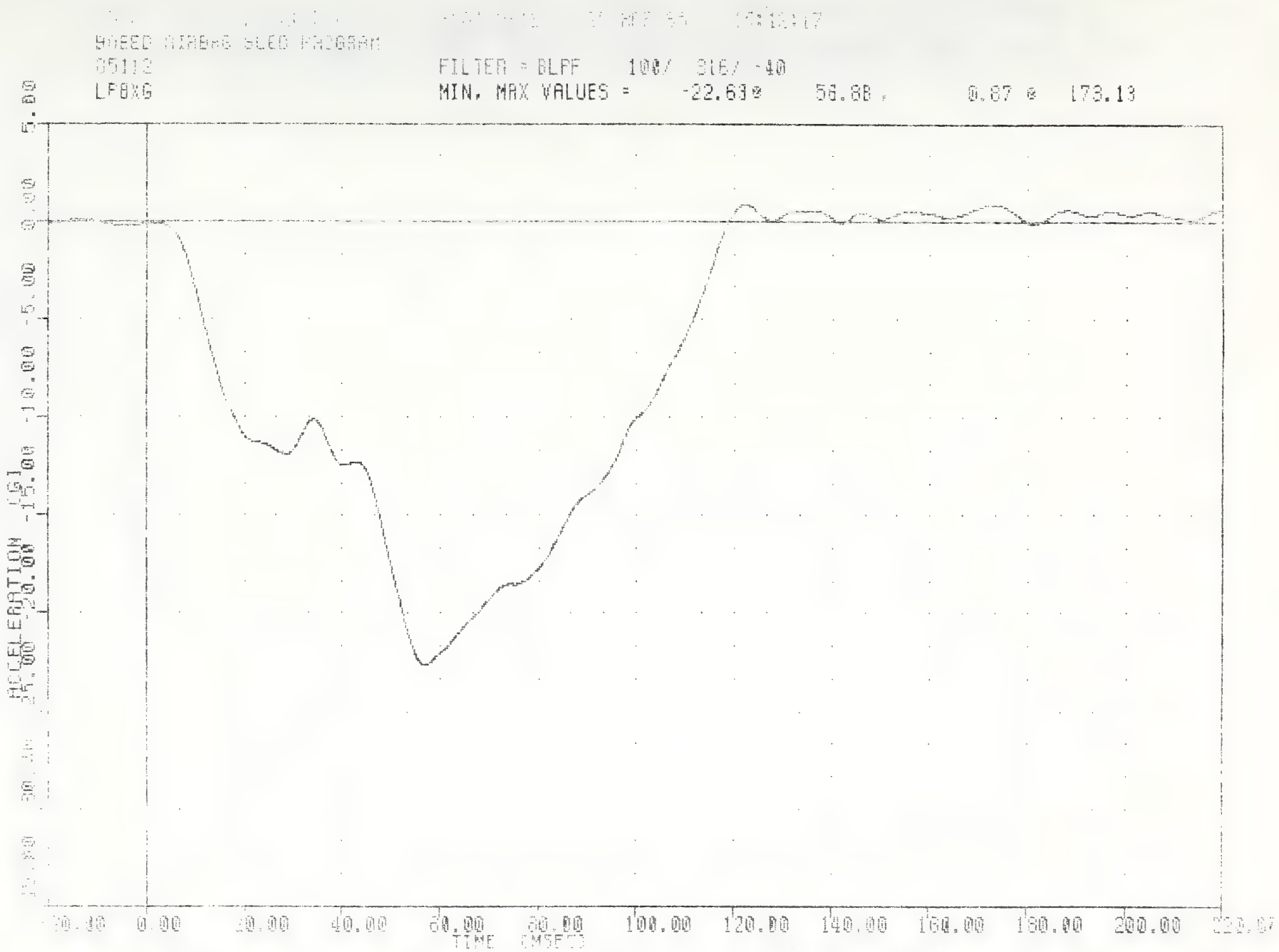

PLOT DATE 25-APR-85 14:14:31
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -30.69 @ 120.75 , 0.32 @ -14.75
VELOCITY (MPH)
TIME (MSEC)

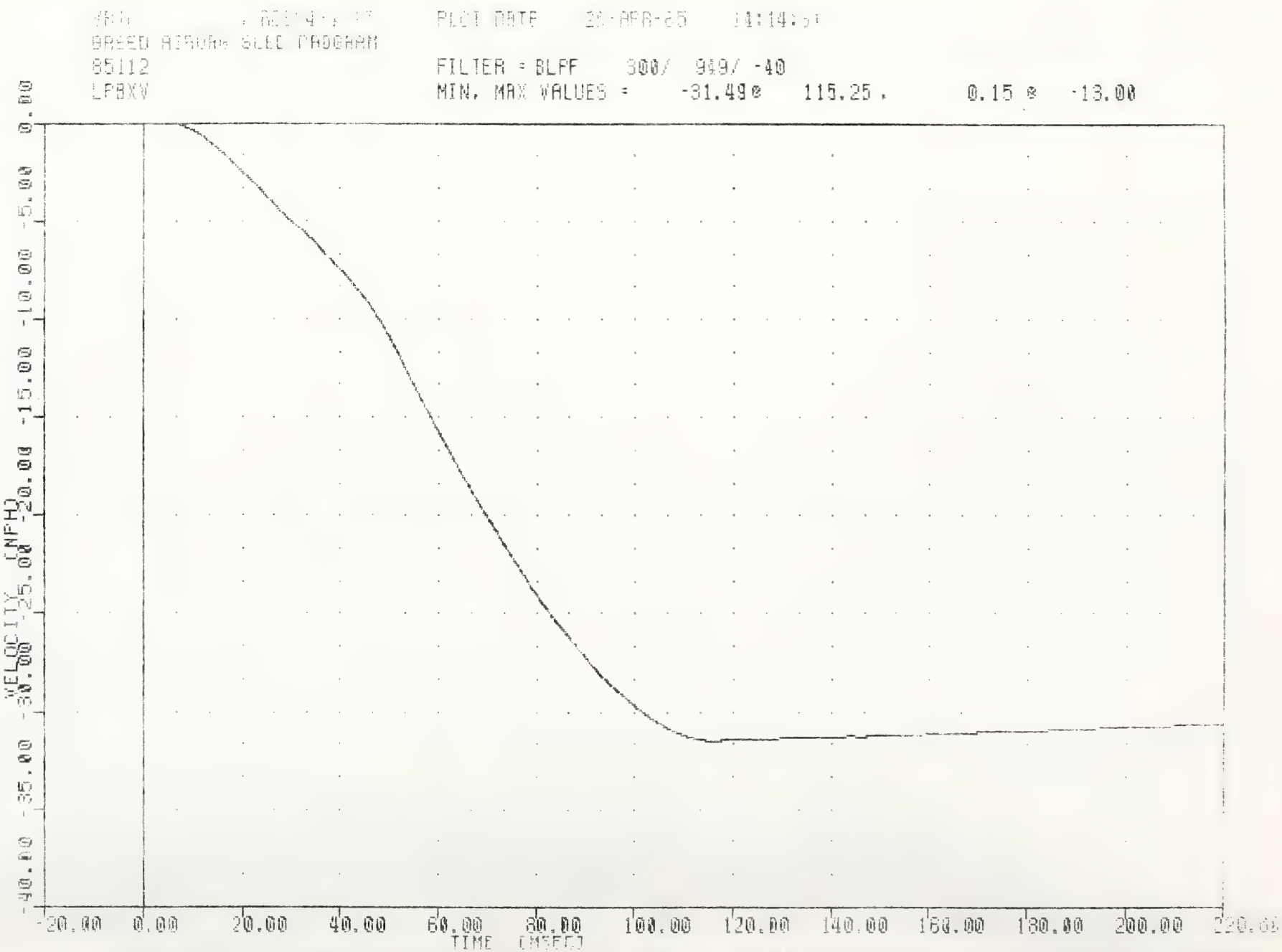


CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING STHPX

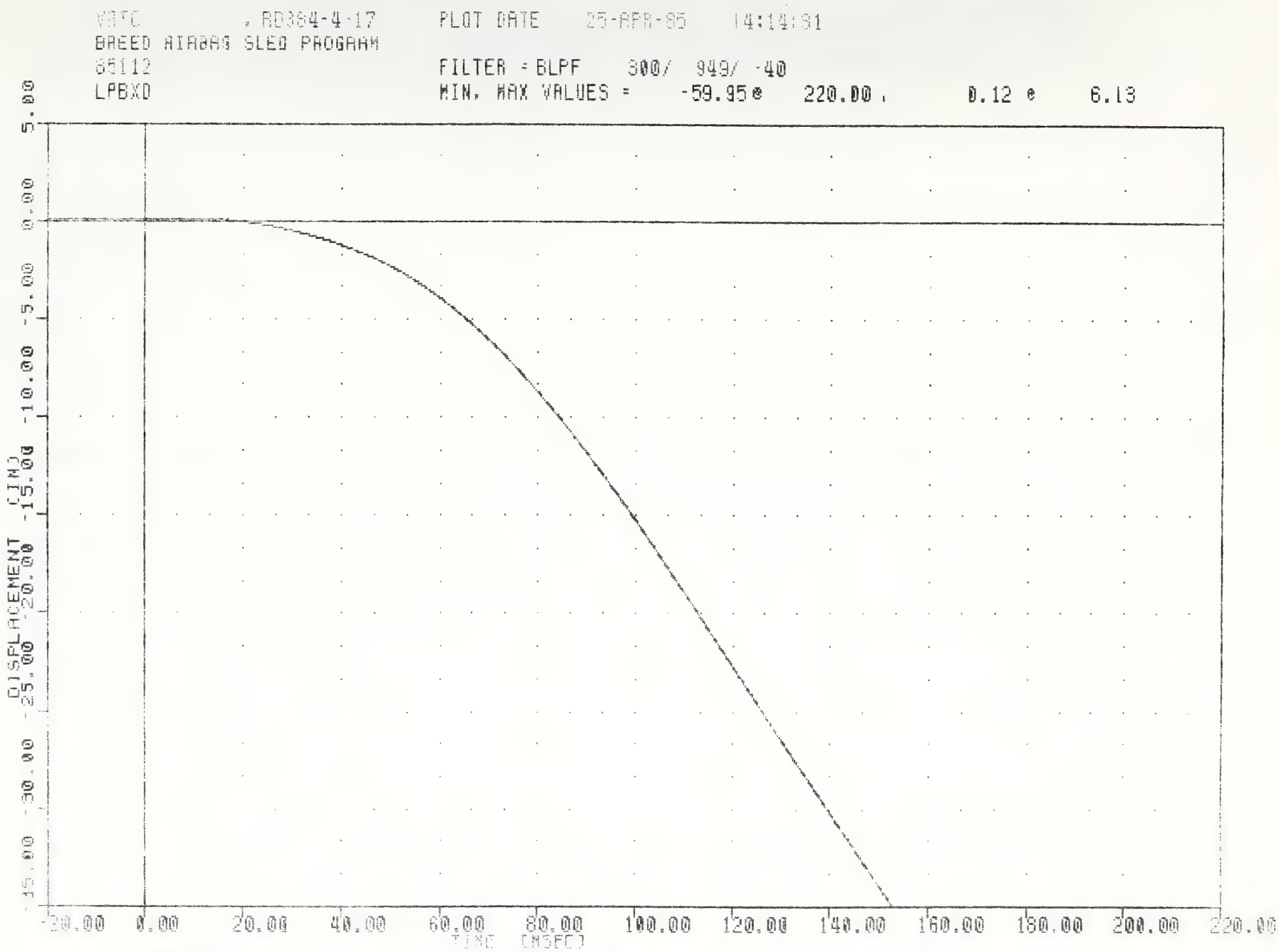

BASED ON SAMPLE PROGRAM
35112
STALG
FILTER LPF 100/ 316/ 40
MIN. MAX VALUES = -9.42@ 74.71 . 14.76 @ 86.50
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME [MSEC]


FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -7.59@ 74.38 , 25.34 @ 81.25
ACCELERATION (G)
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

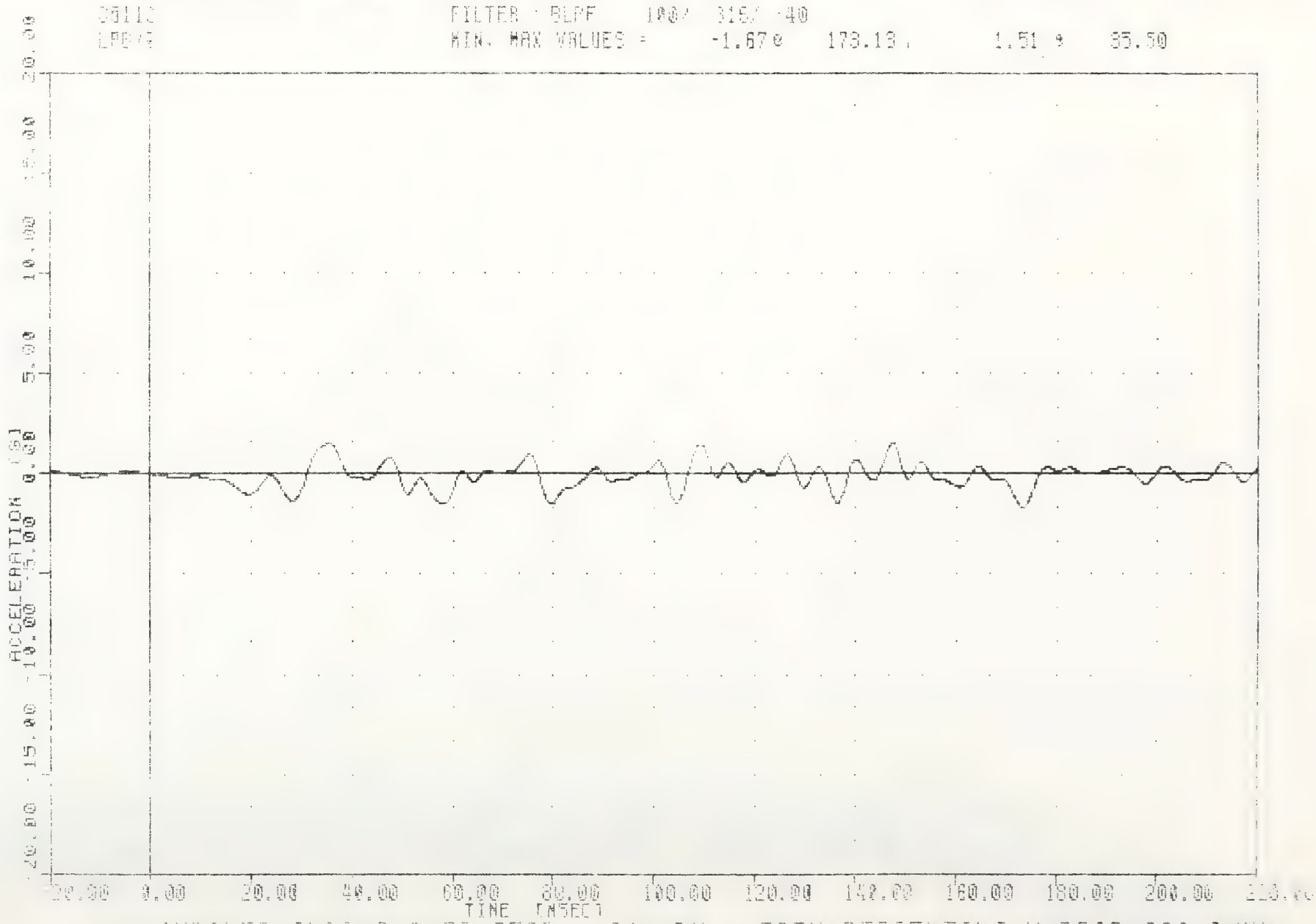

HOBEED AIRBAG SLED PROGRAM
05112
LPBXG
FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -22.63@ 56.88 , 0.87 @ 173.13
ACCELERATION (G)
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME (MSEC)



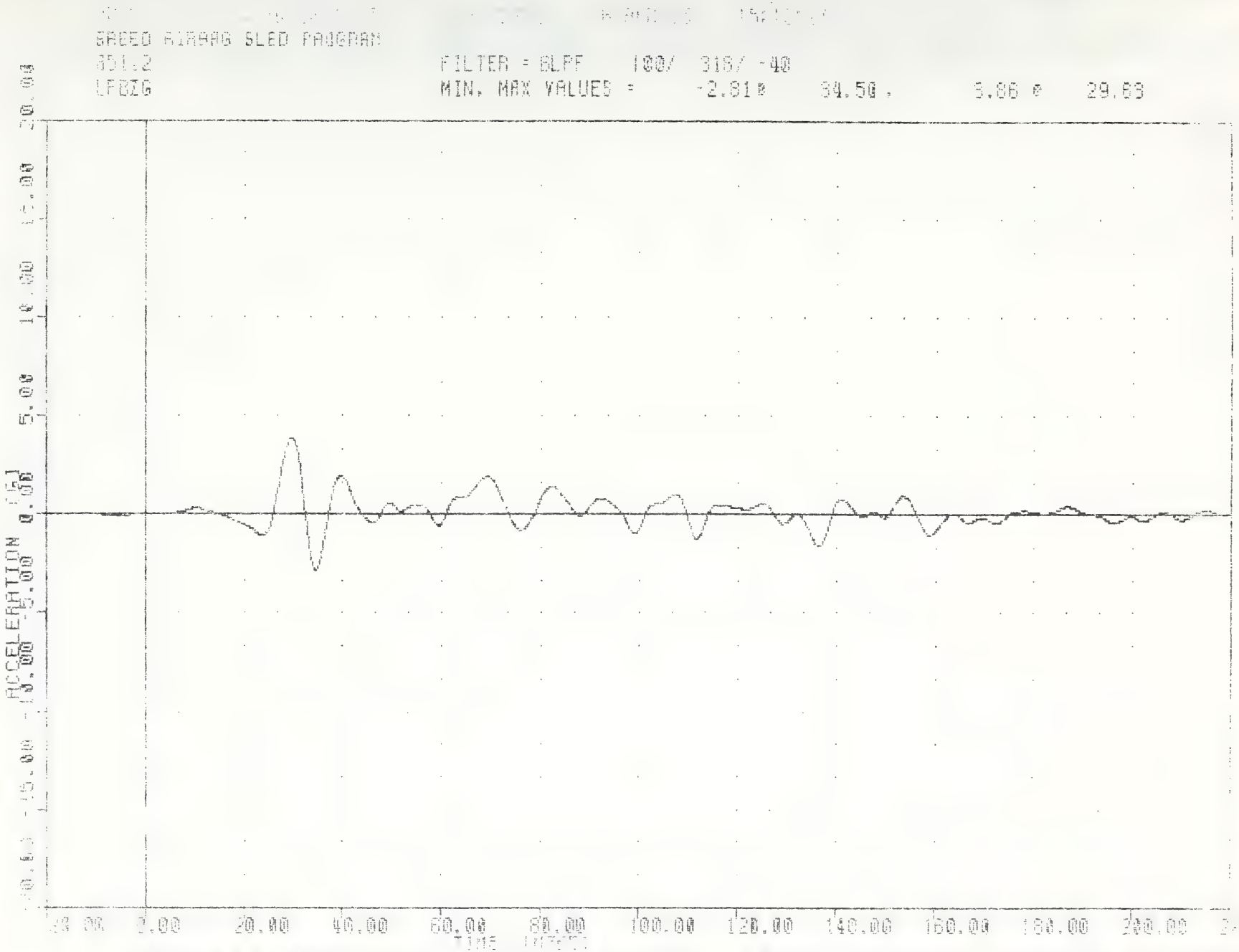
CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUMMY
VELOCITY USING LPBXV

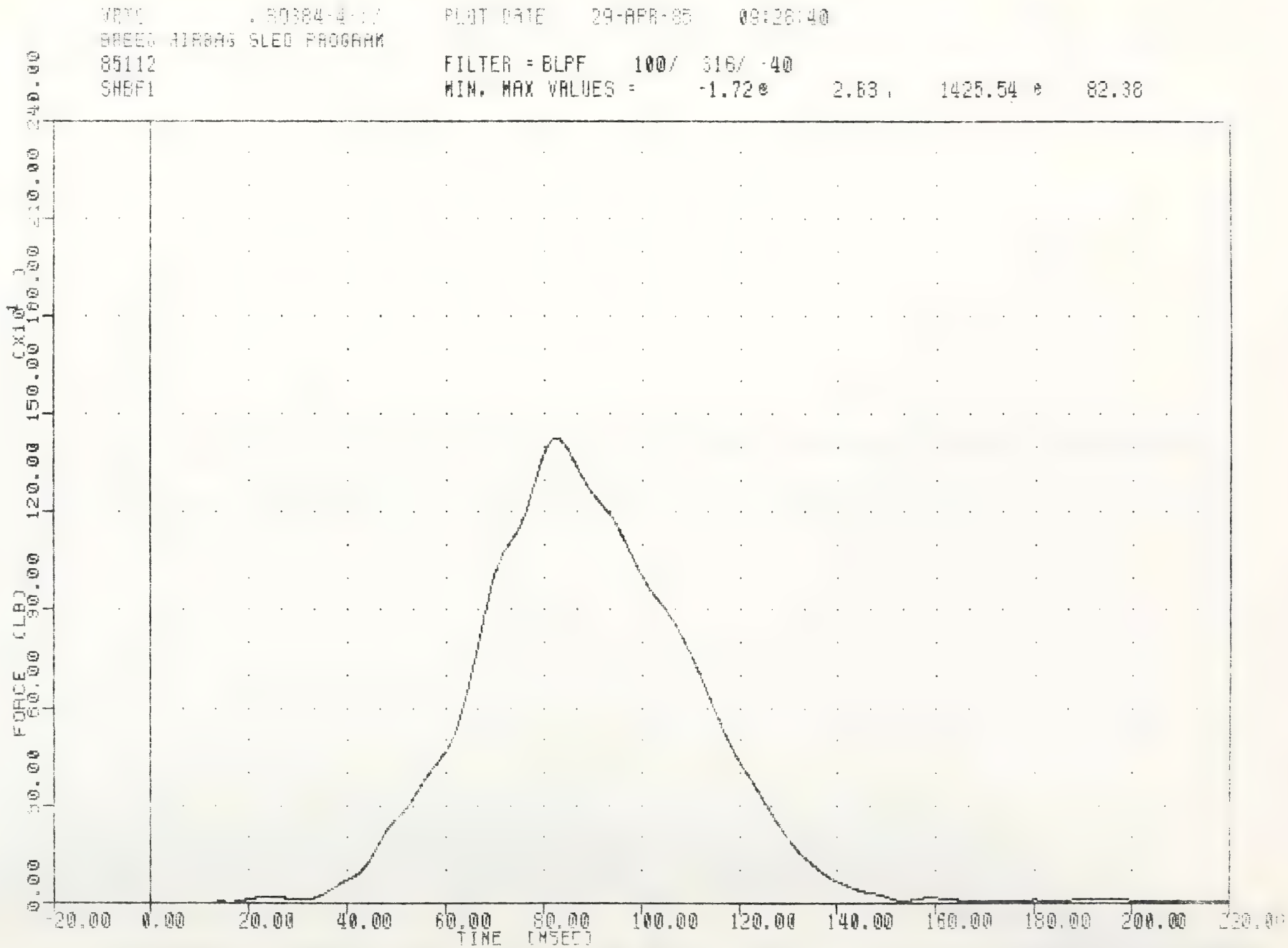


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
[illegible] - [illegible]ING LPBXD

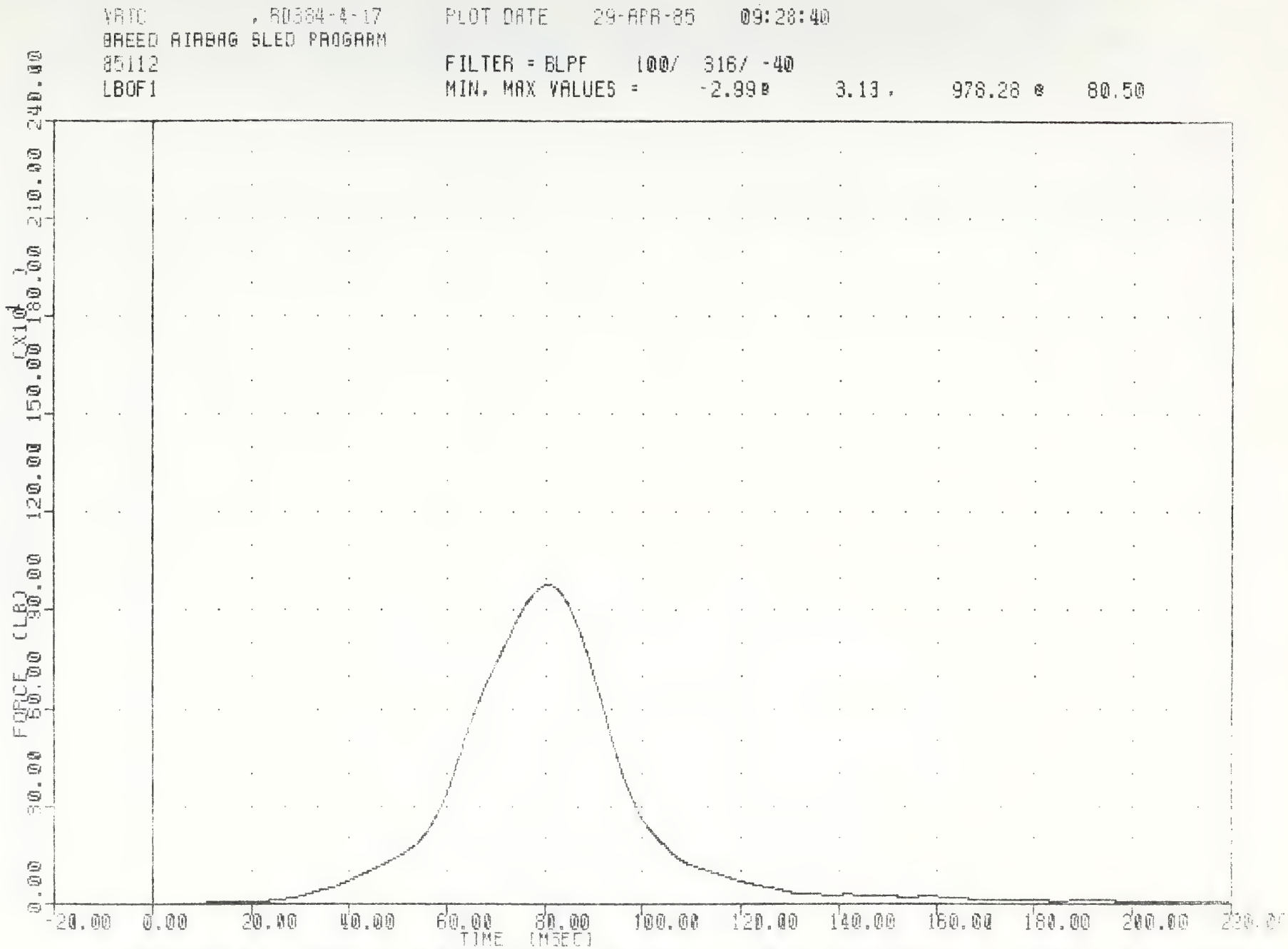


50TH PERCENTILE HYBRID III DUMM

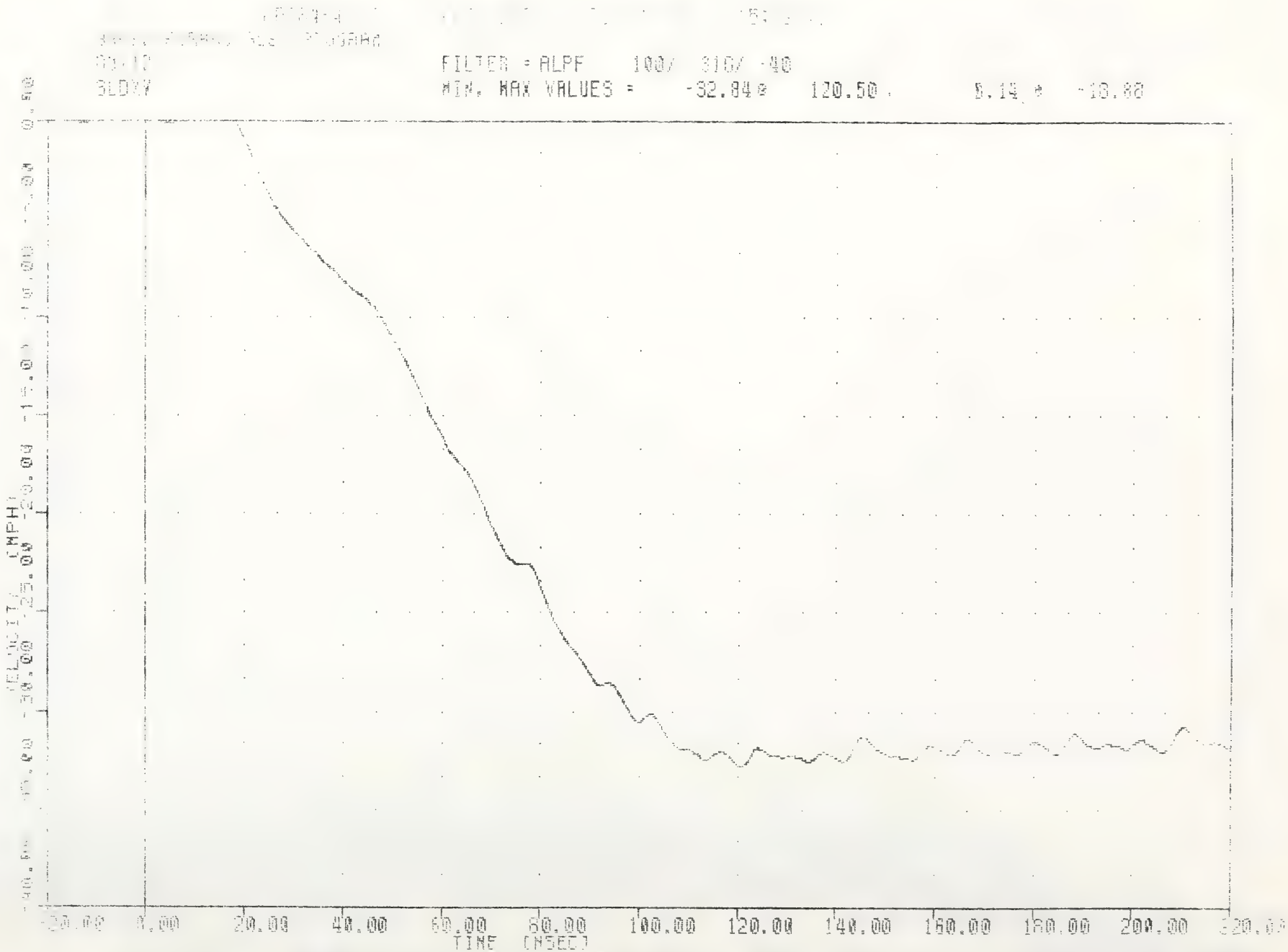

SAGED AIRBAG SLED PROGRAM
451.2
LFBIG
FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -2.81@ 34.50 , 5.86 @ 29.83
ACCELERATION (G)
20.00
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

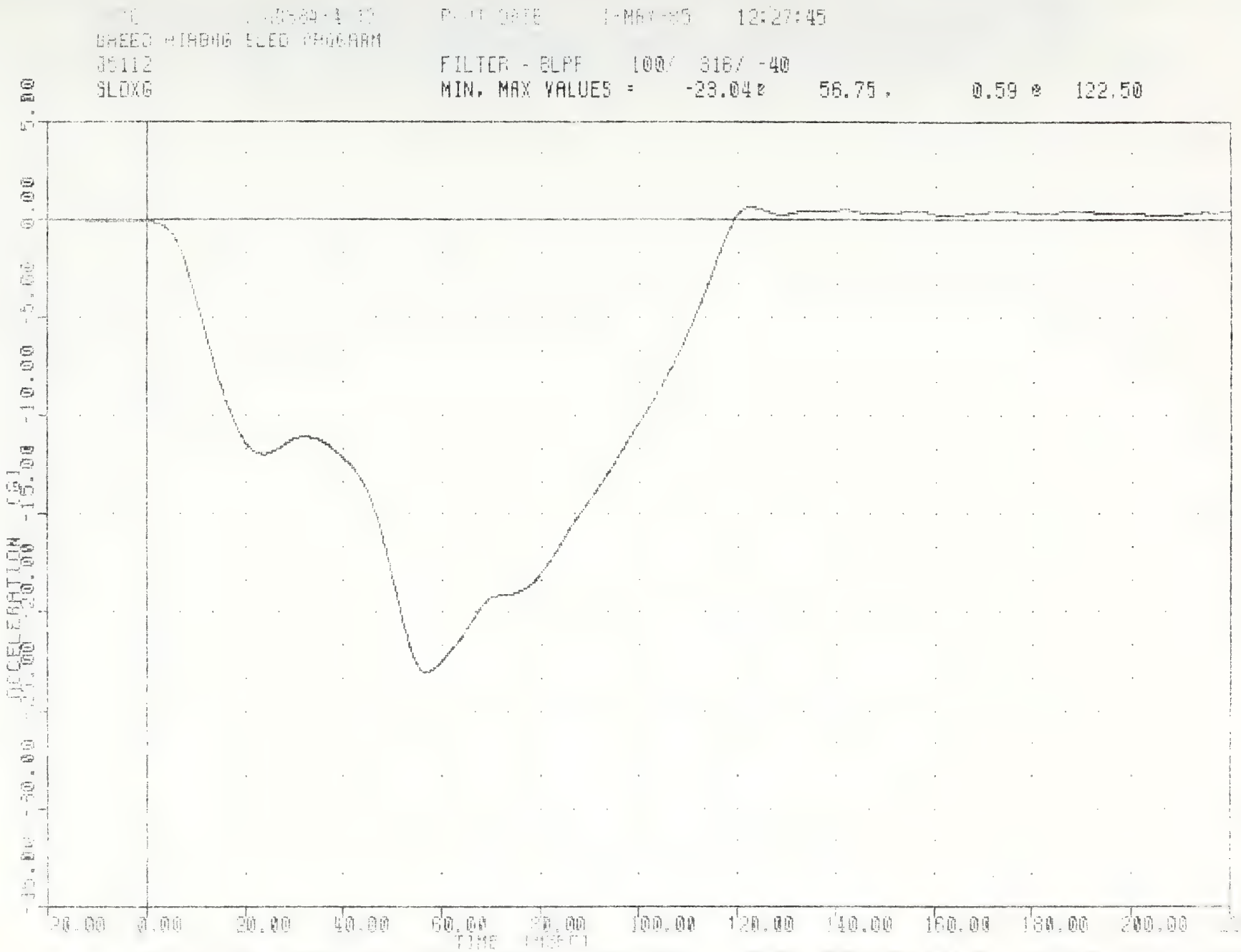


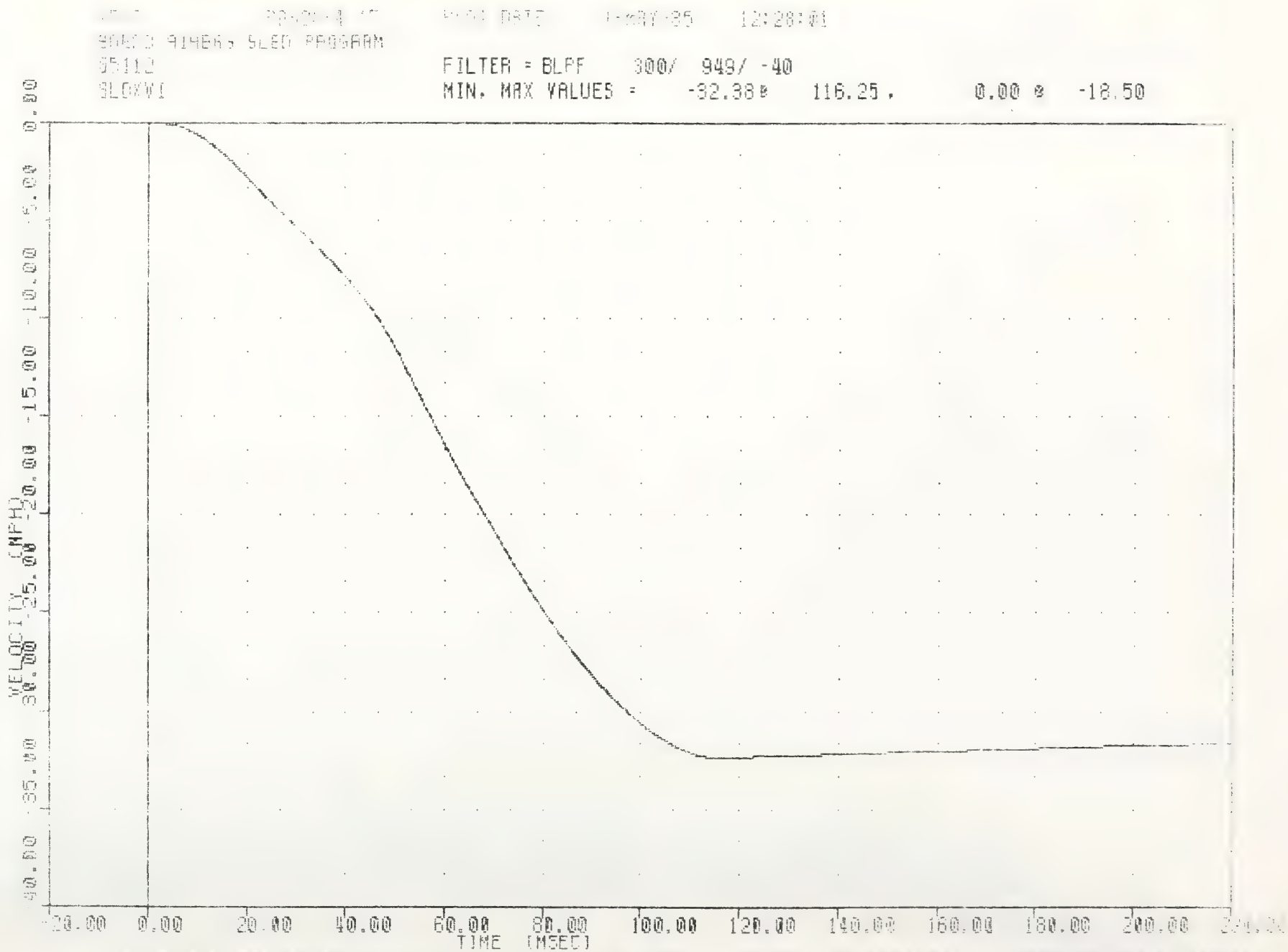
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER SHOULDER BELT FORCE

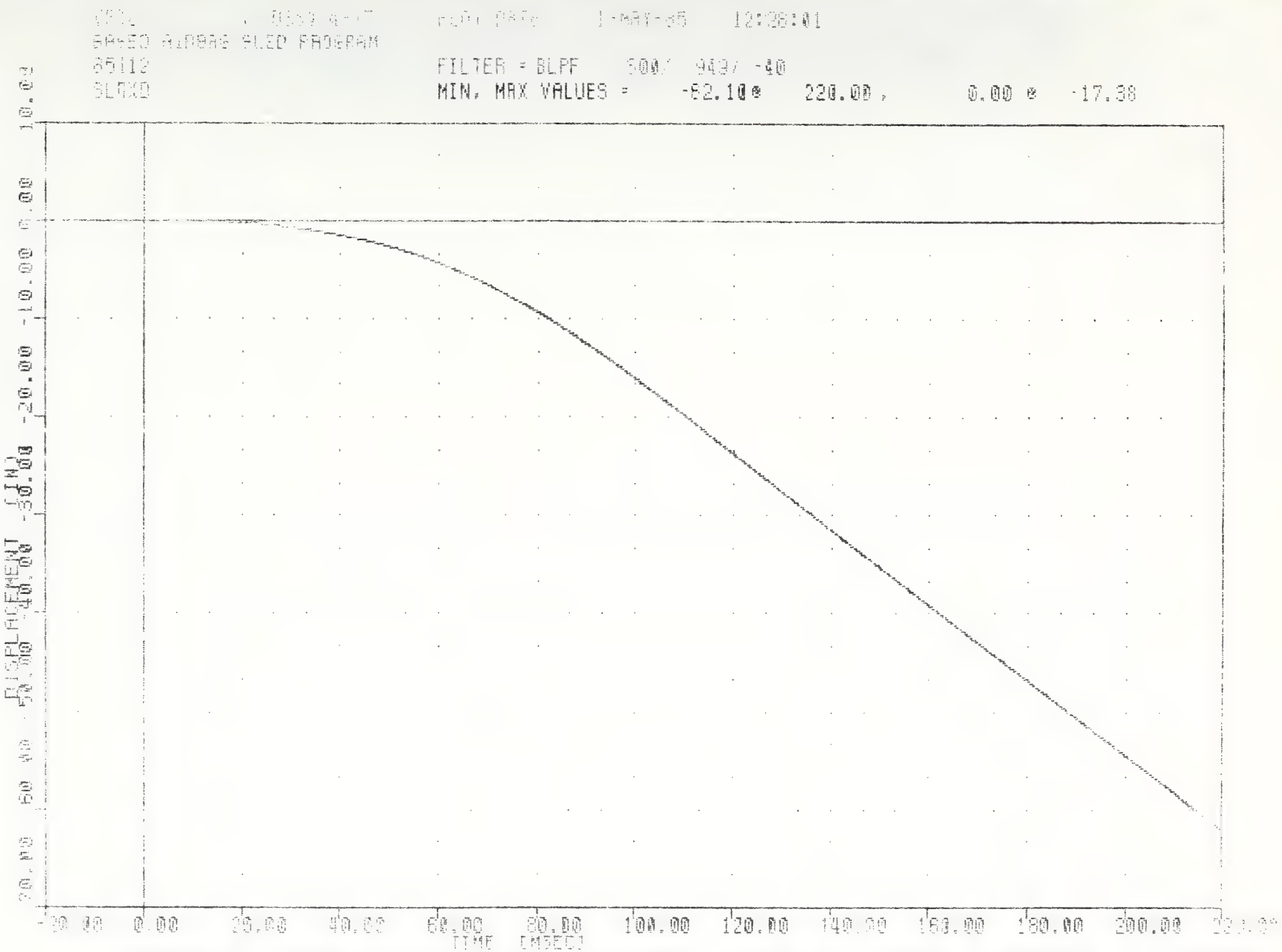


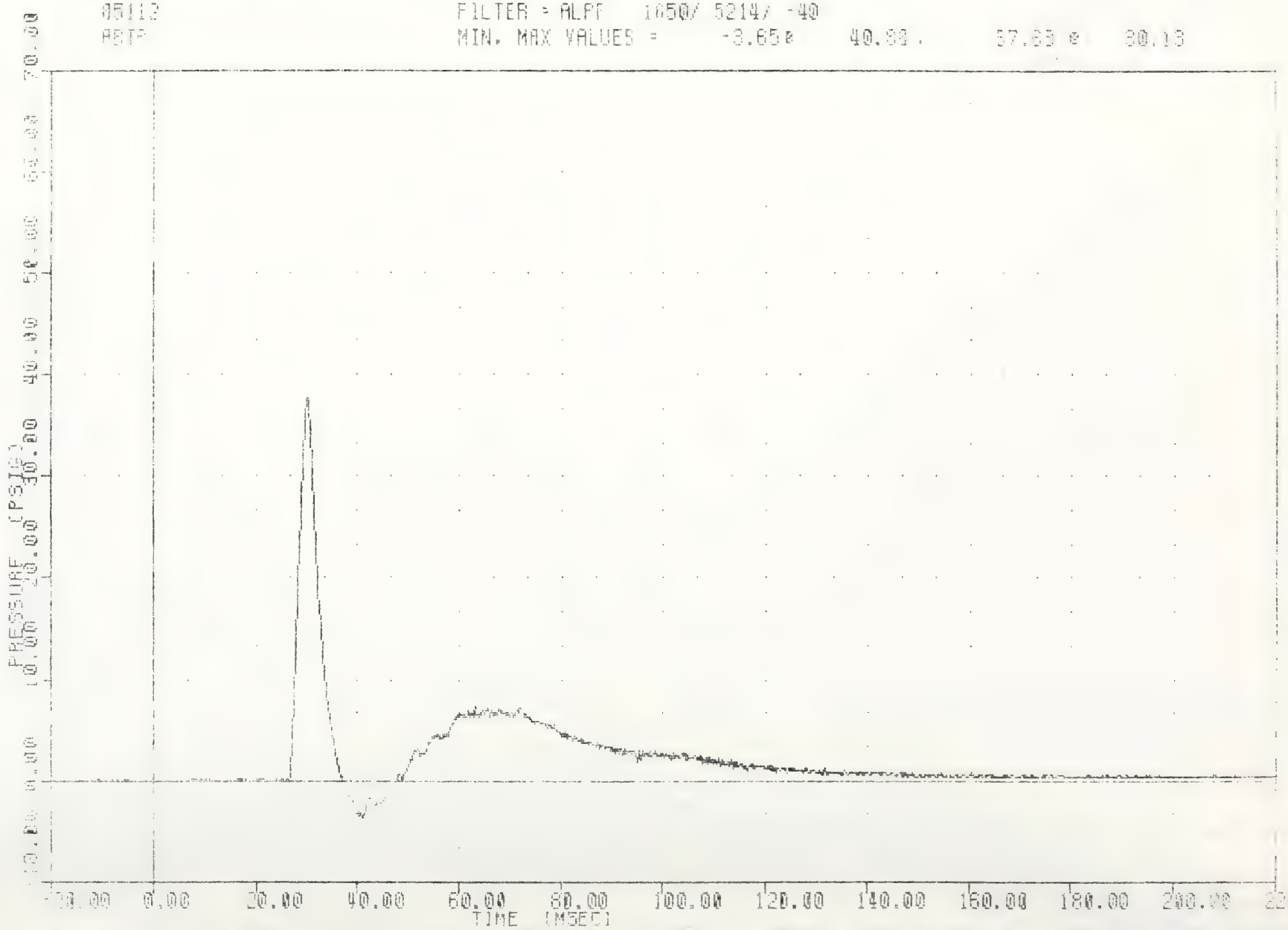
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

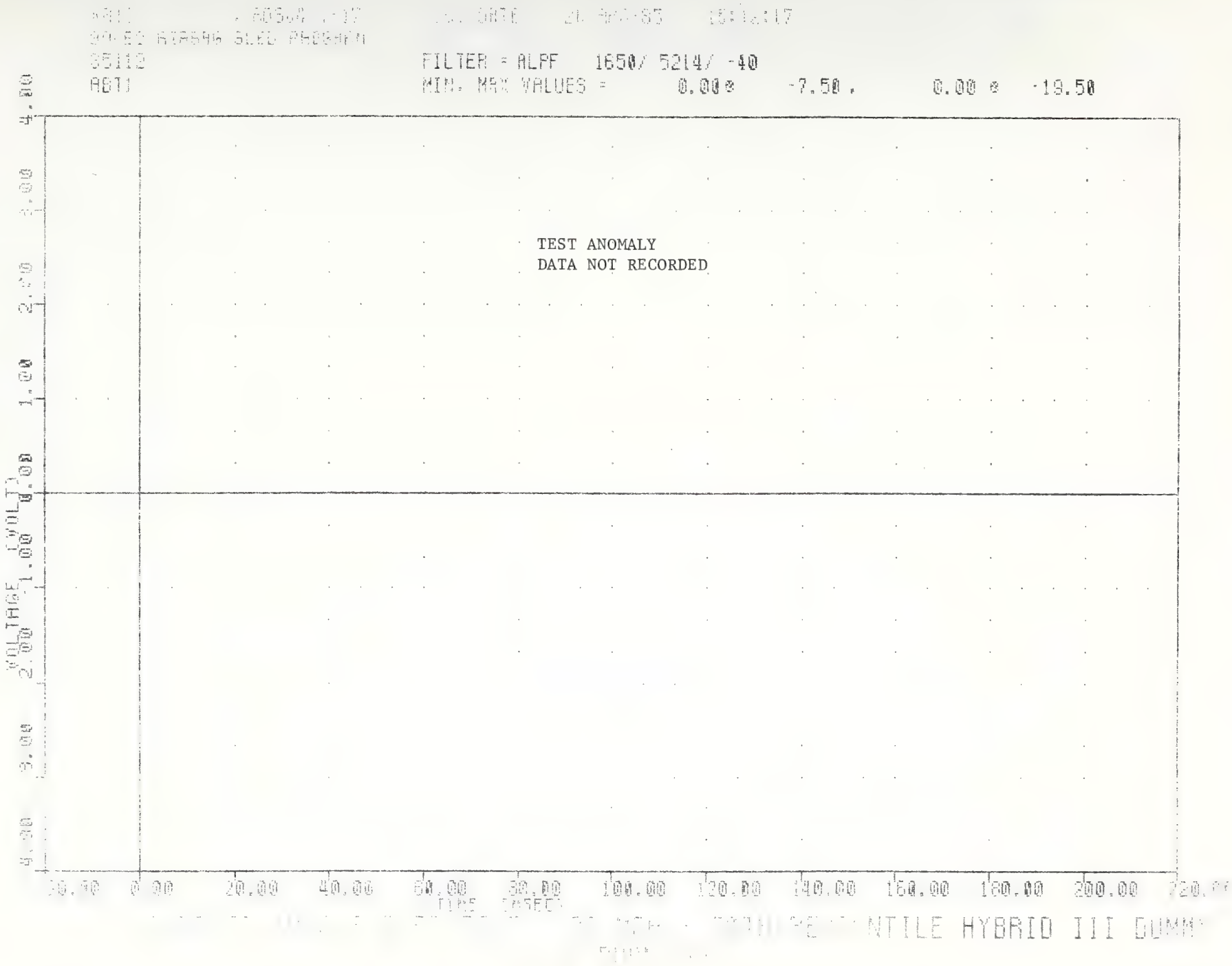

FILTER = ALPF 100/ 810/ -40
MIN. MAX VALUES = -32.84 @ 120.50 . 5.14 @ -18.88
VELOCITY (MPH)
TIME (MSEC)

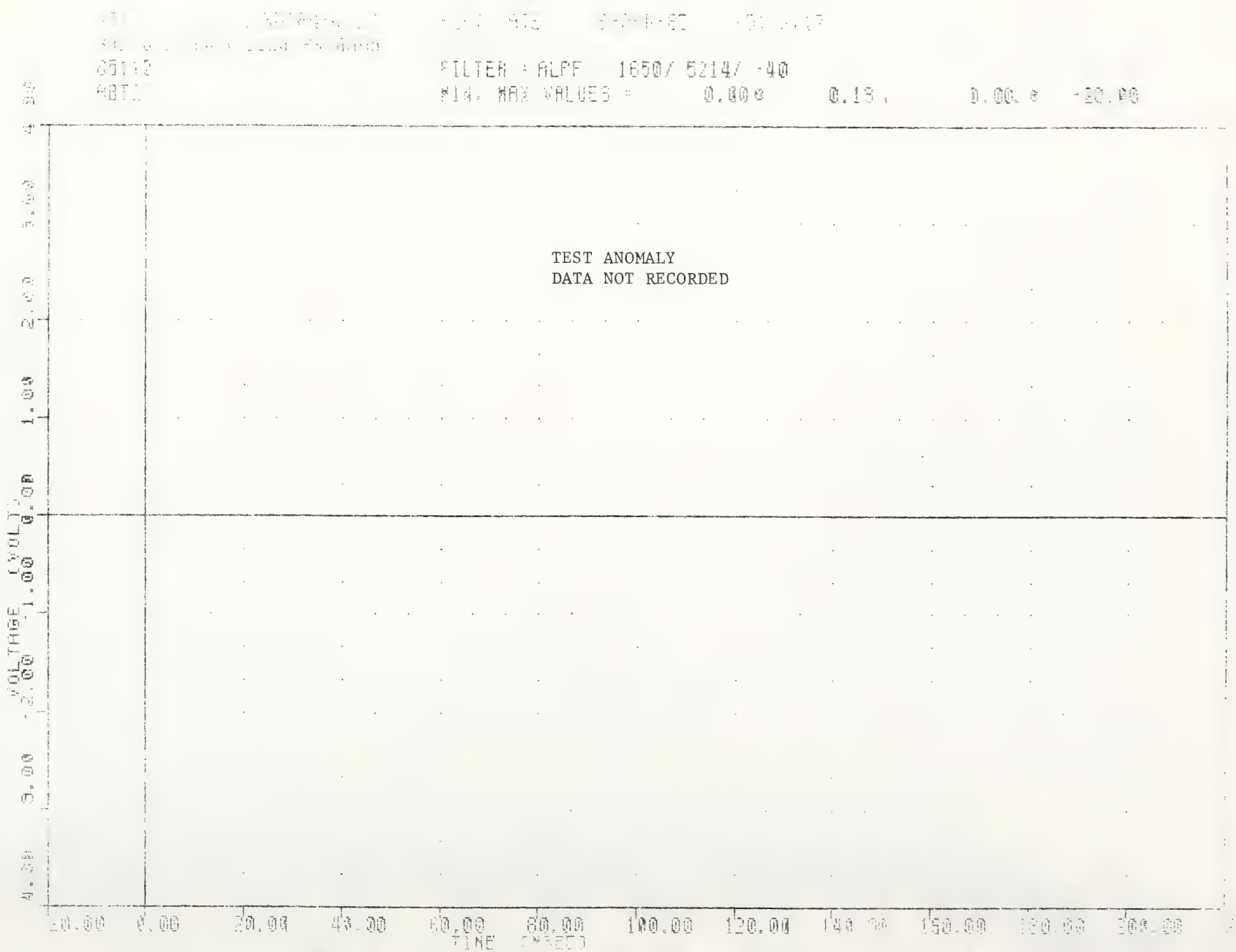

PLOT DATE 1-MAY-85 12:27:45
FILTER - BLPF 100/ 318/ -40
MIN. MAX VALUES = -23.04@ 56.75 , 0.59 @ 122.50
DECELERATION (G)
TIME (MSEC)

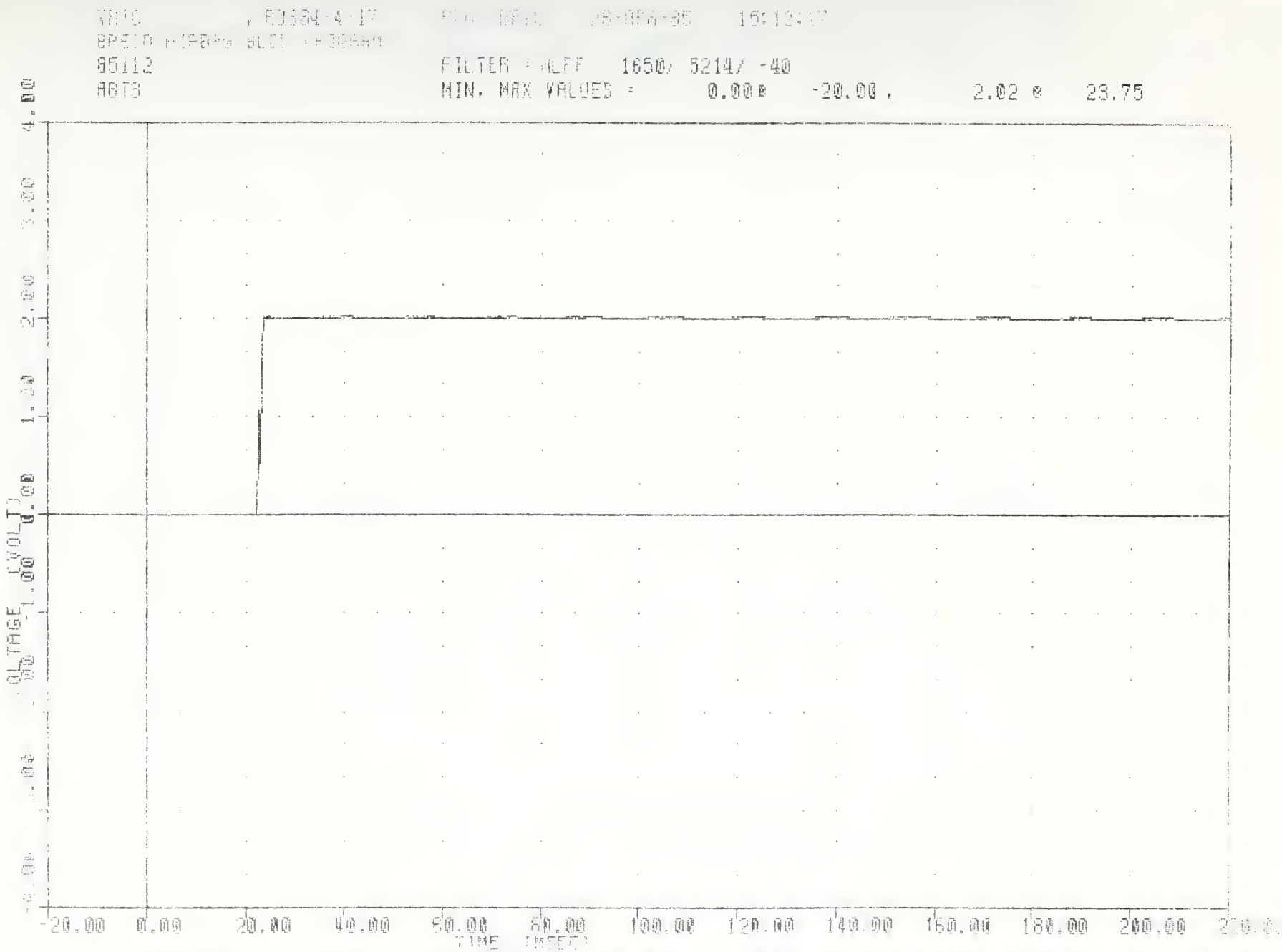

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -32.38 @ 116.25 , 0.00 @ -18.50
VELOCITY (MPH)
TIME (MSEC)

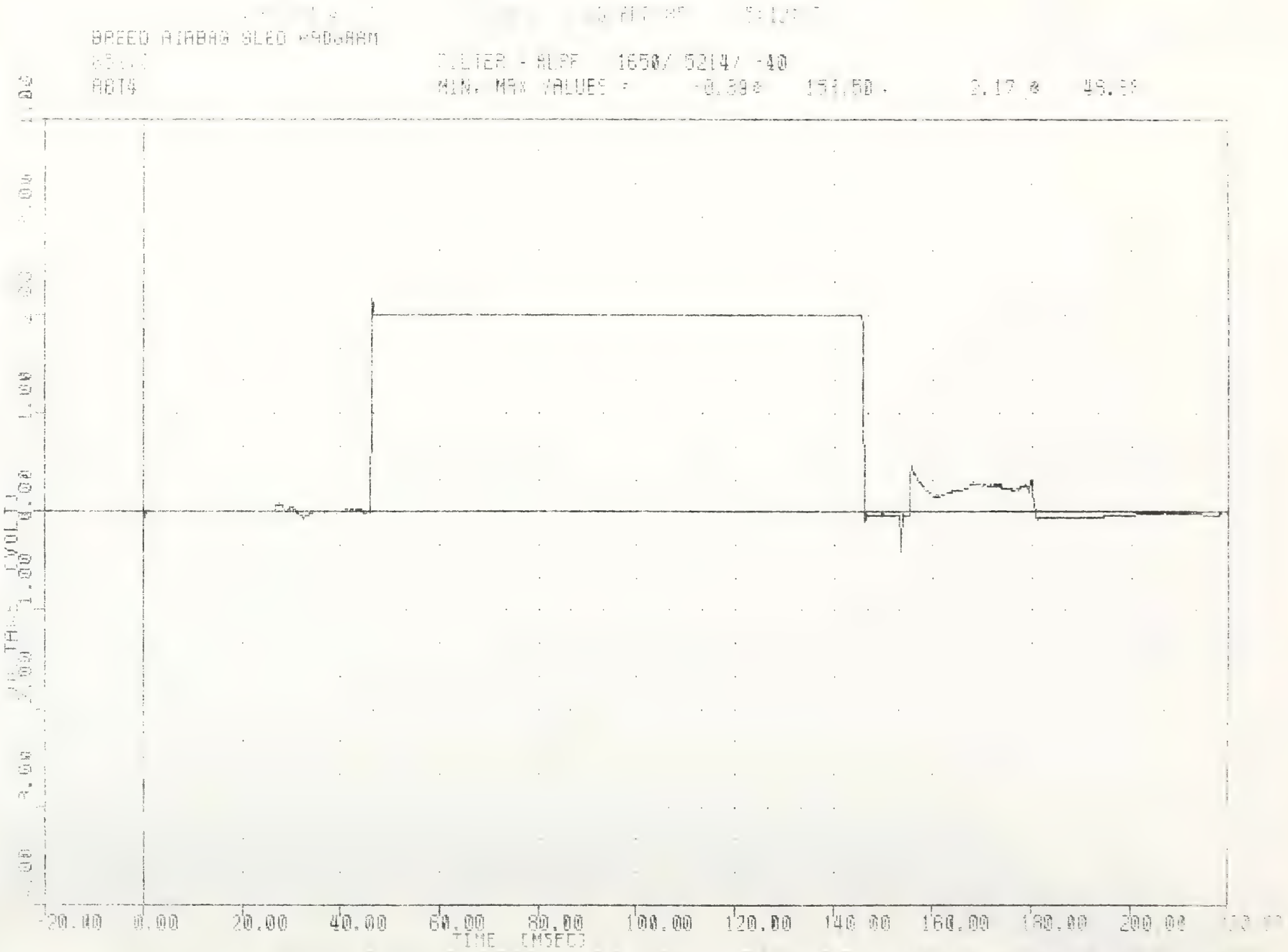

BASED AIRBAG SLED PROGRAM
35112
SLRXD
FILTER = BLPF
MIN, MAX VALUES = -62.10 @ 220.00 , 0.00 @ -17.38
DISPLACEMENT (IN)
TIME (MSEC)

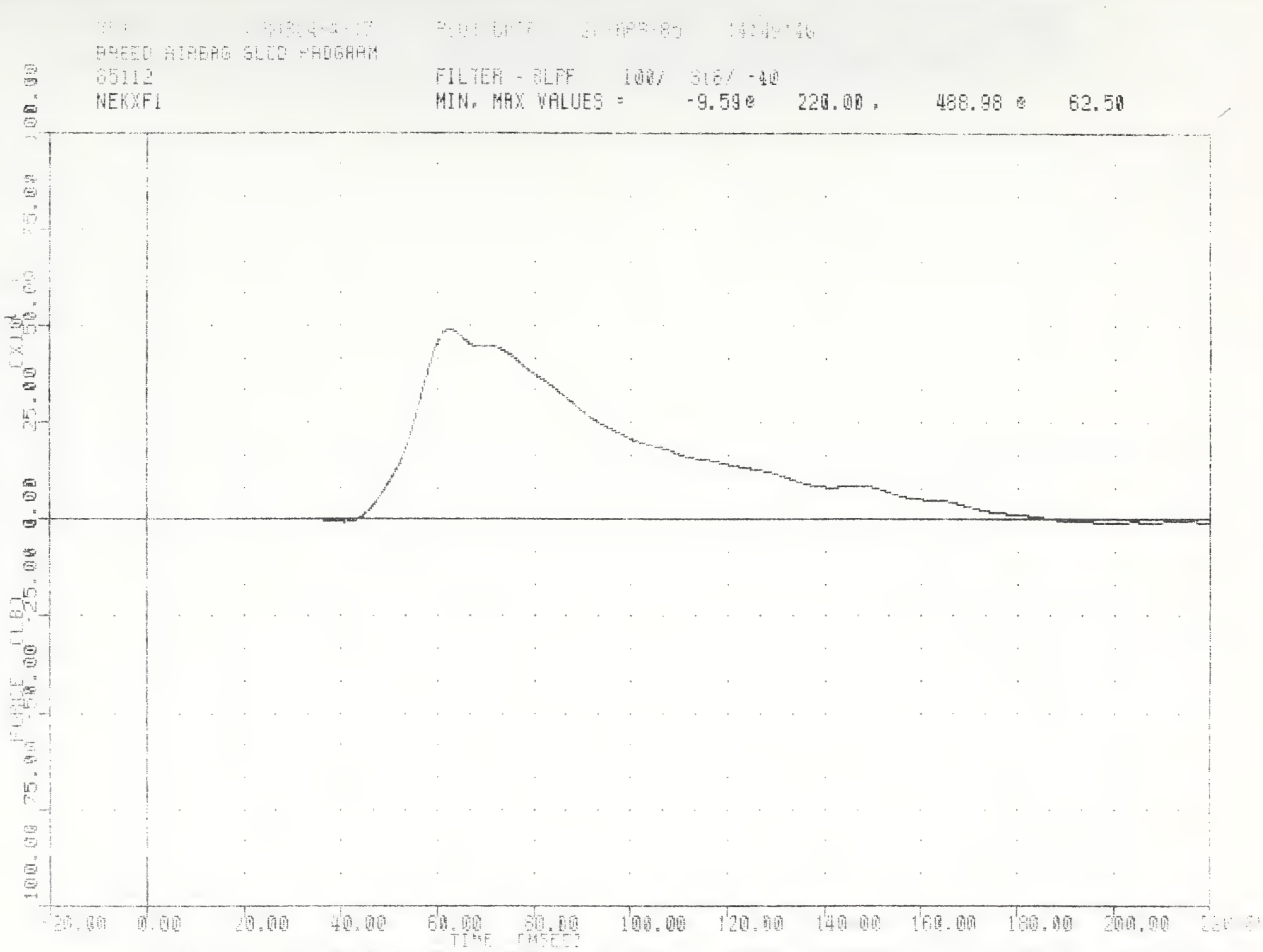

85112
PBTP
FILTER = ALPF 1050/ 5214/ -40
MIN. MAX VALUES = -8.65@ 40.88 . 37.65 @ 80.13
PRESSURE (PSIG)
TIME (MSEC)

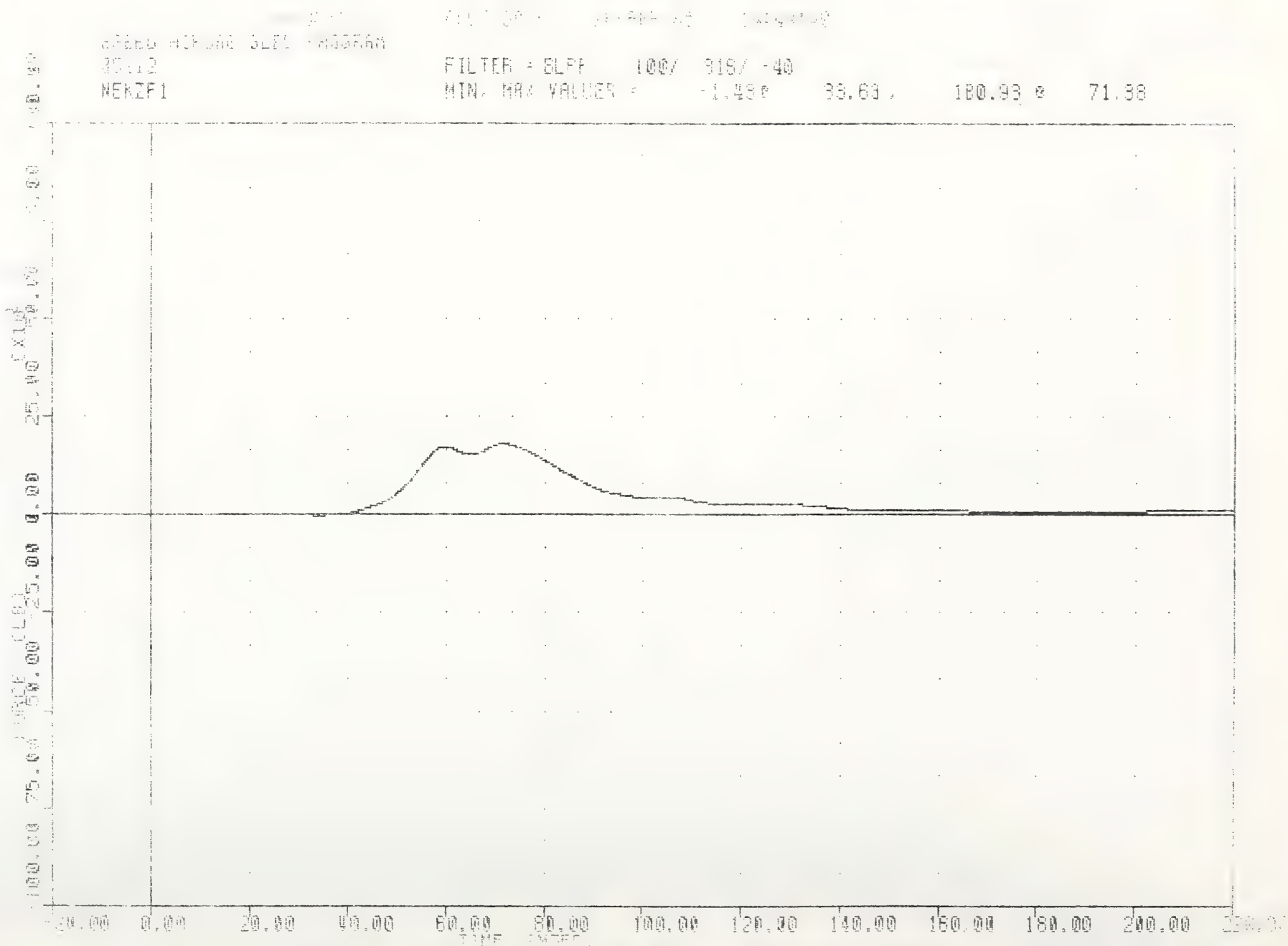

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.00 @ -7.50 , 0.00 @ -19.50
TEST ANOMALY
DATA NOT RECORDED
VOLTAGE
TIME (MSEC)

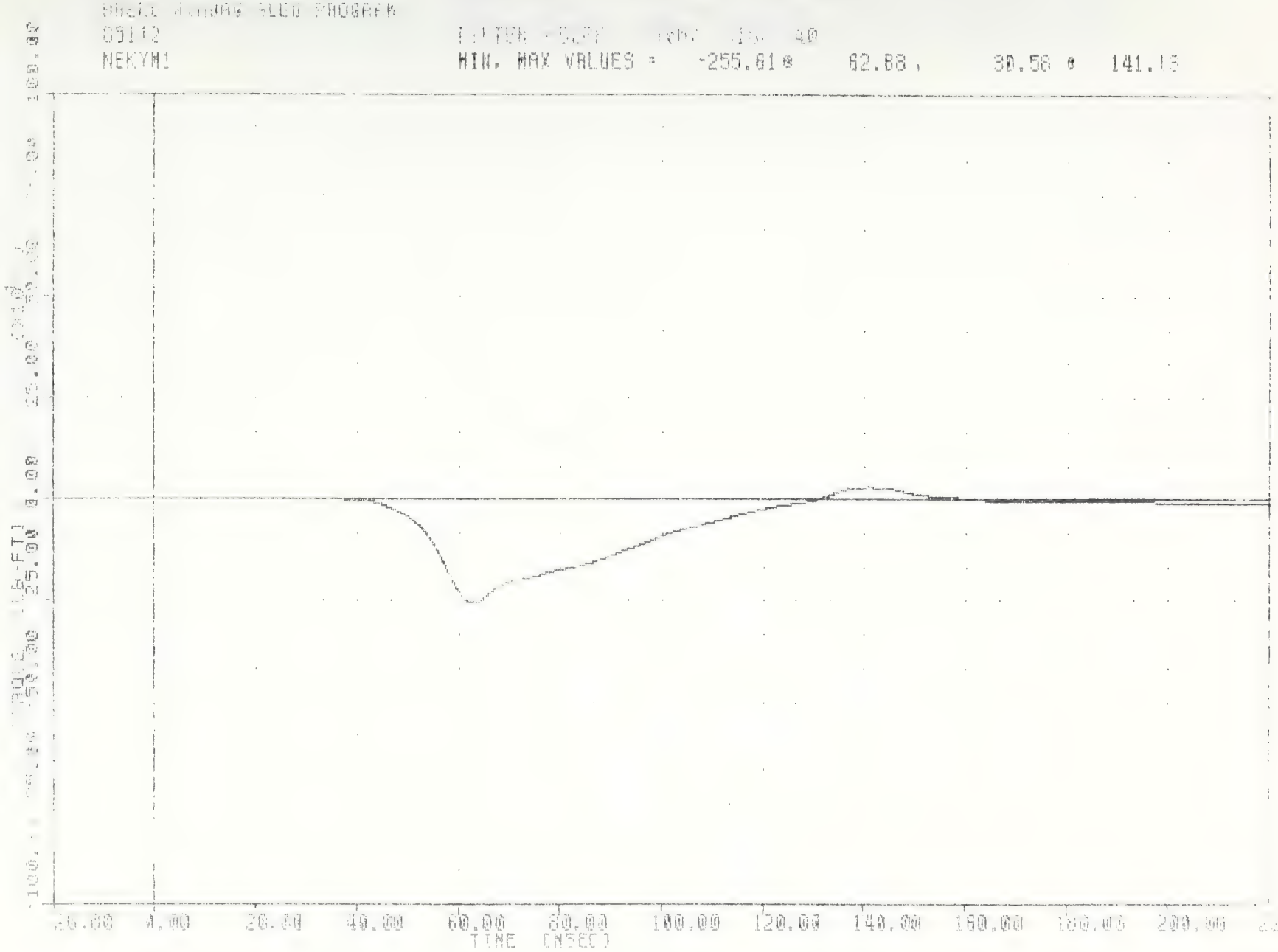

FILTER = ALPF 1650/ 5214/ -40
TEST ANOMALY
DATA NOT RECORDED
VOLTAGE (VOLTS)
TIME (MSEC)


85112
ABT3
FILTER = OFF 1650/ 5214/ -40
MIN. MAX VALUES = 0.00 @ -20.00 , 2.02 @ 23.75
VOLTAGE (VOLT)
4.00
3.00
2.00
1.00
0.00
-1.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

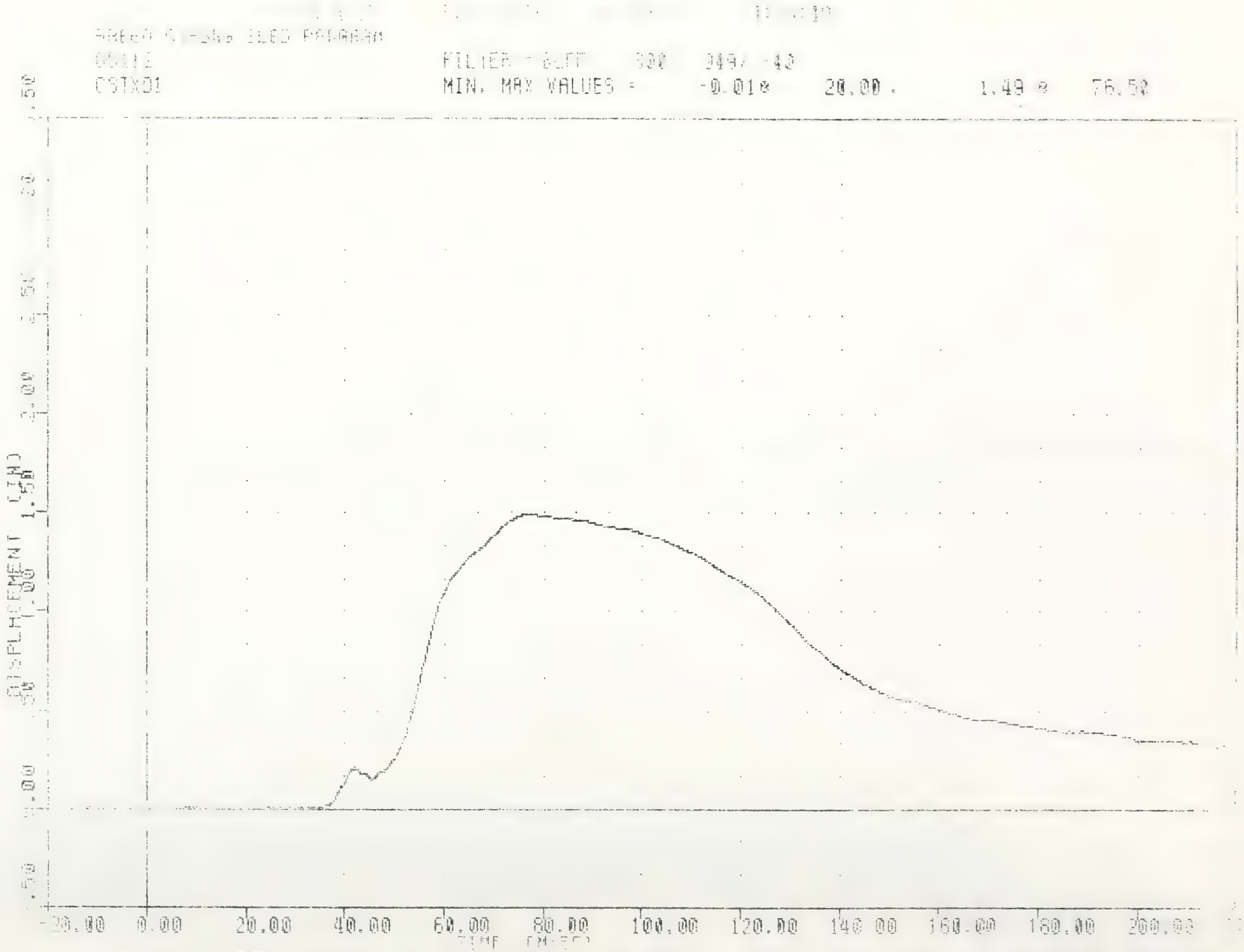

BREED AIRBAG SLED W90GRAM
FILTER - RLPF 1650/ 5214/ -40
MIN. MAX VALUES : -0.280 154.50 2.17 @ 49.5
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME [MSEC]

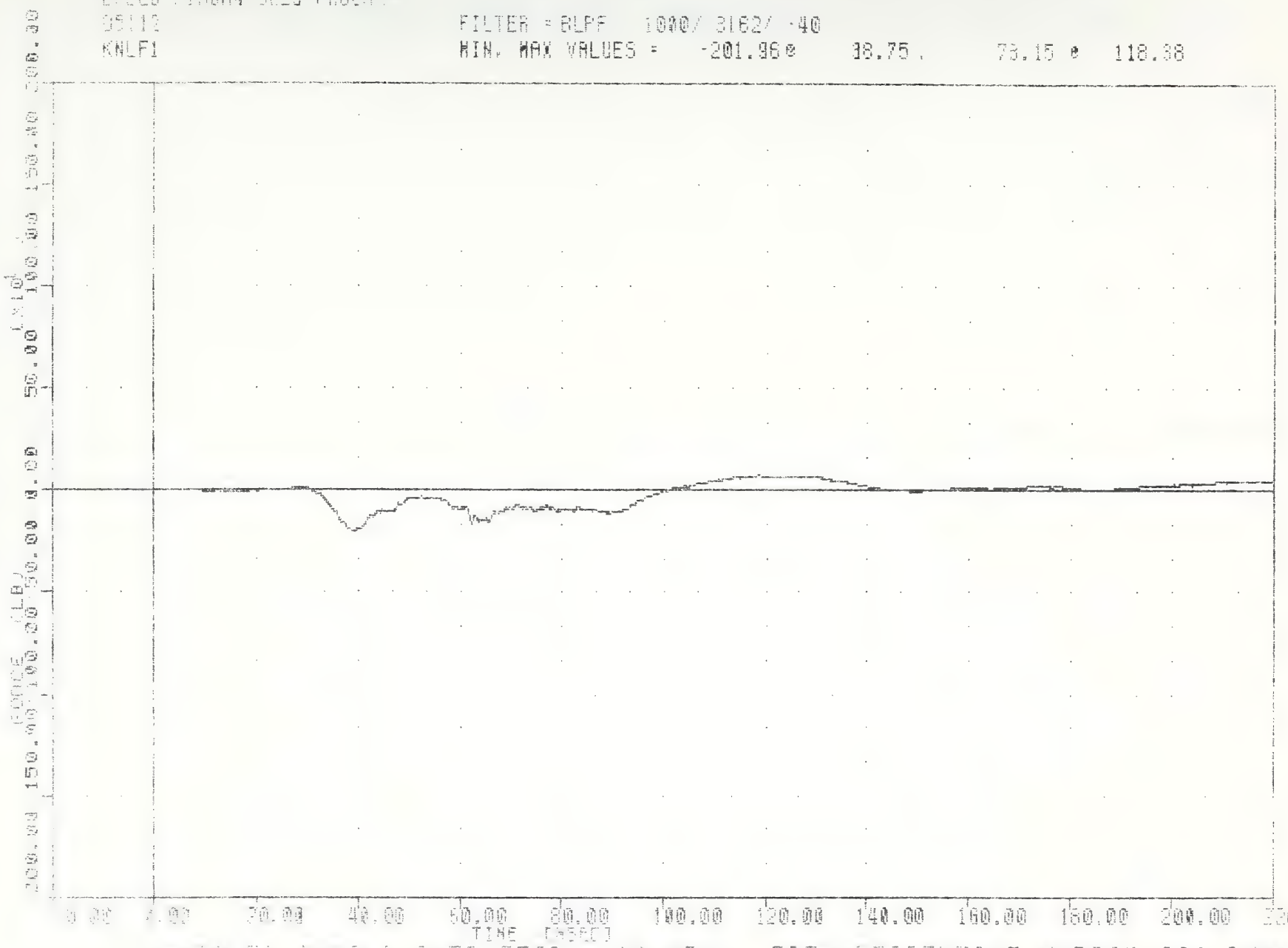

PROGRAM
85112
NEKXFI
FILTER - BLPF 100/ 316/ -40
MIN. MAX VALUES = -9.59@ 220.00 , 488.98 @ 62.50
100.00
75.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

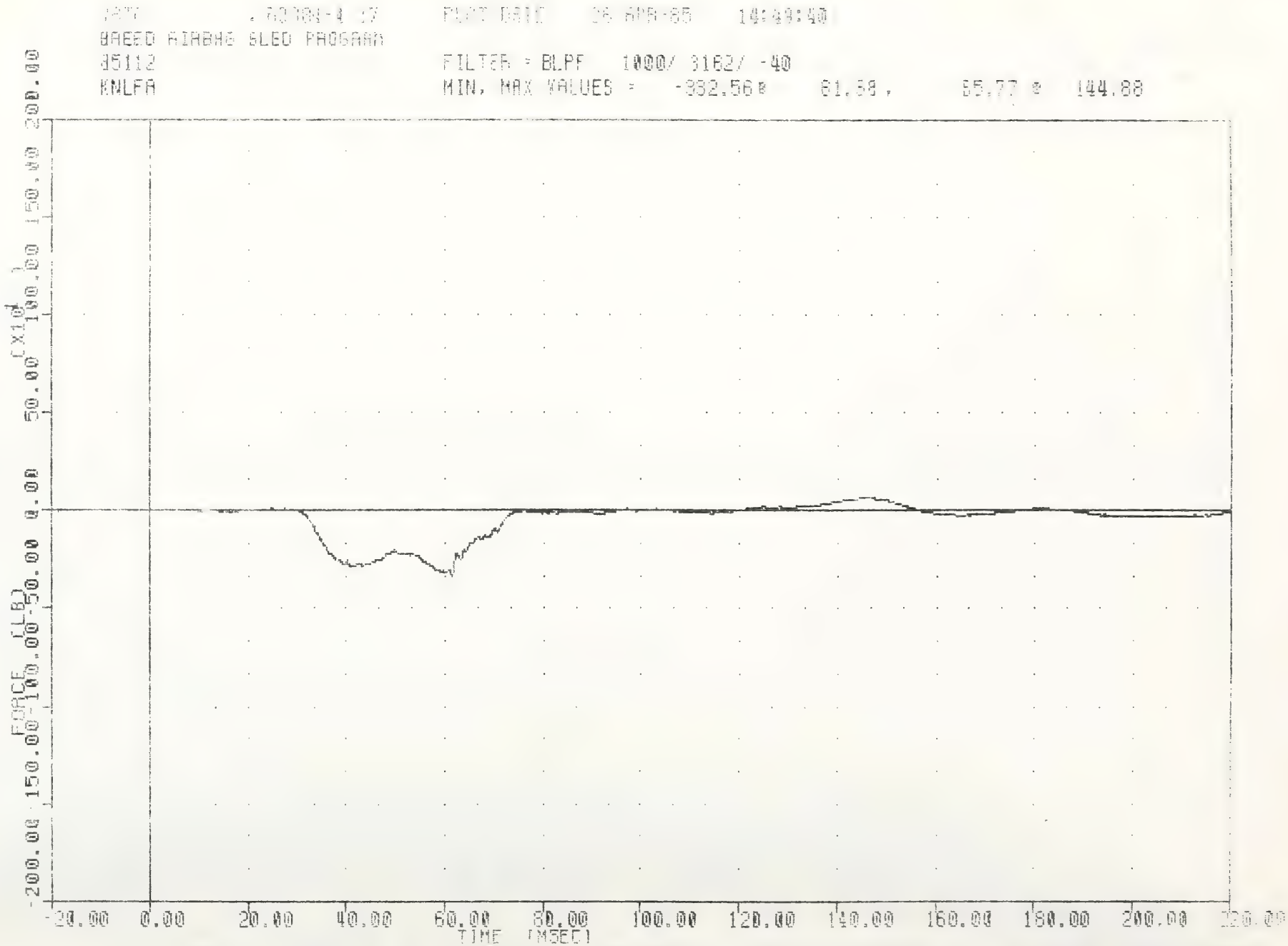

FILTER = BLPF 100/ 919/ -40
MIN. MAX VALUES = -1.486 35.63 , 180.93 @ 71.38
NEKZF1
25.00
0.00
-25.00
-50.00
-75.00
-100.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00



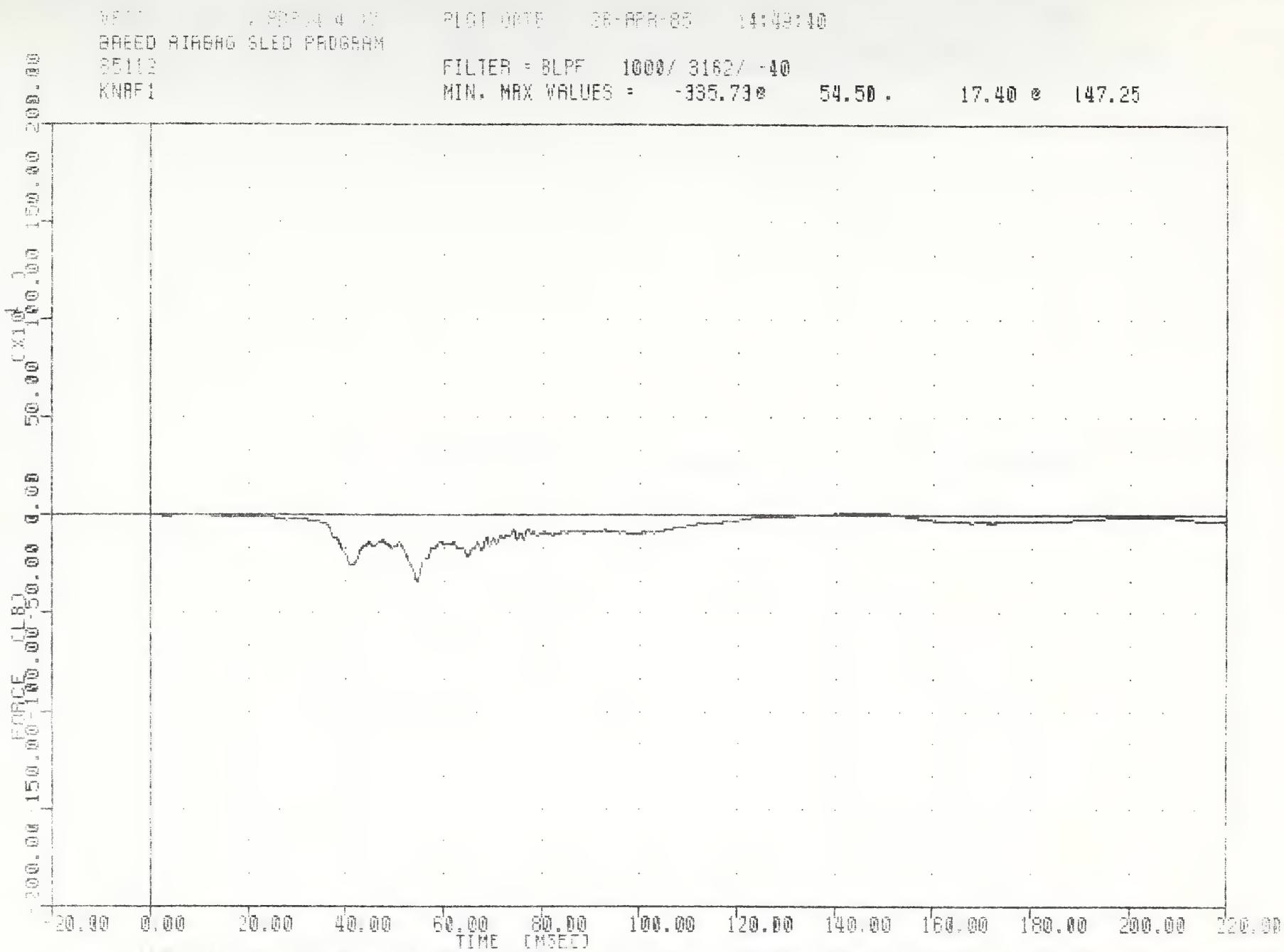
CHEVROLET IMPALA SLED TEST - 93 MPH - 50TH PERCENTILE HYBRID III DUM


MIN. MAX VALUES = -0.018 20.00 1.48 0 76.50
DISPLACEMENT (IN)
TIME (MSEC)
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00

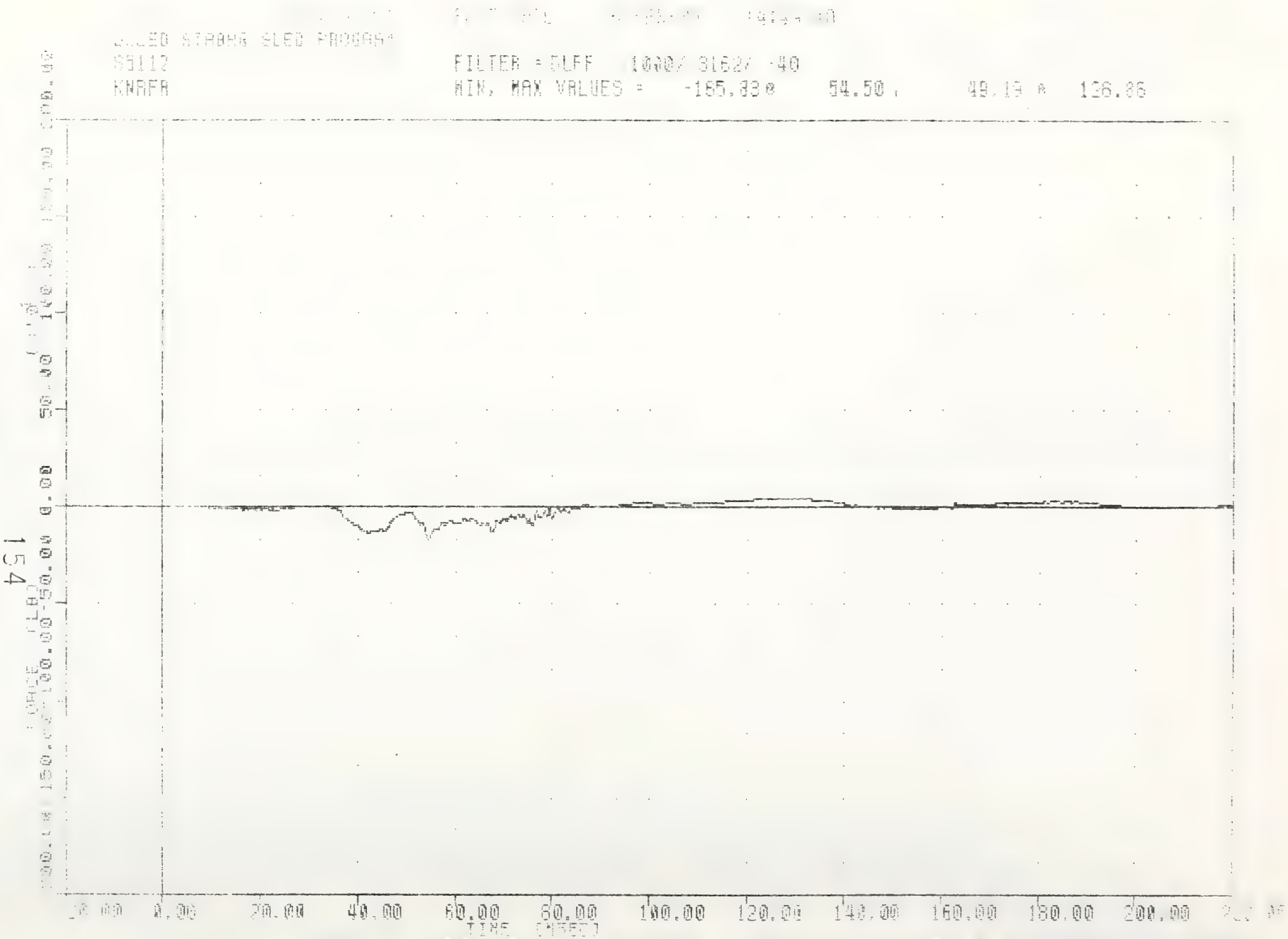

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -201.96 @ 38.75 , 73.15 @ 118.38
FORCE (LBS)
TIME [MSEC]

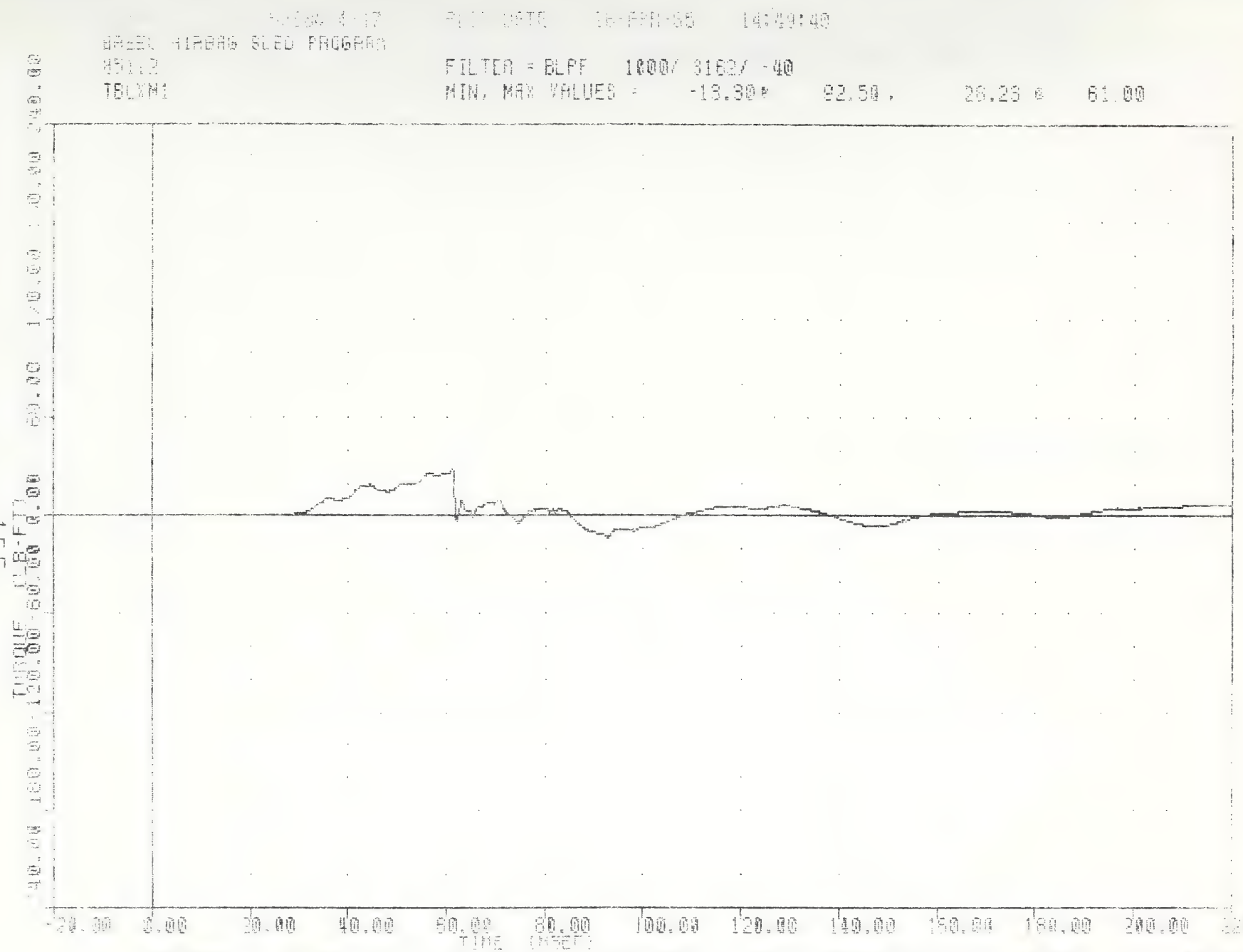


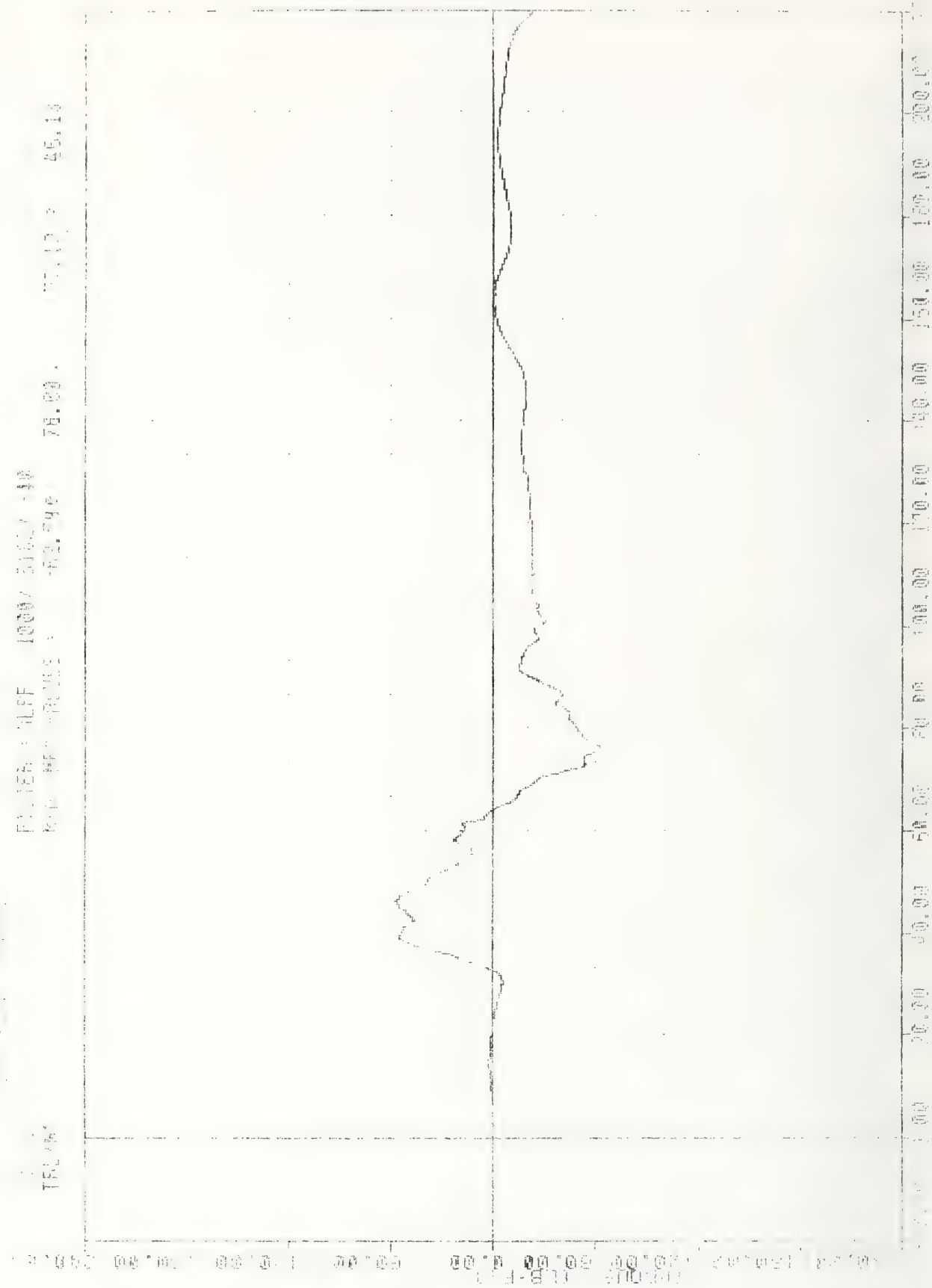
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

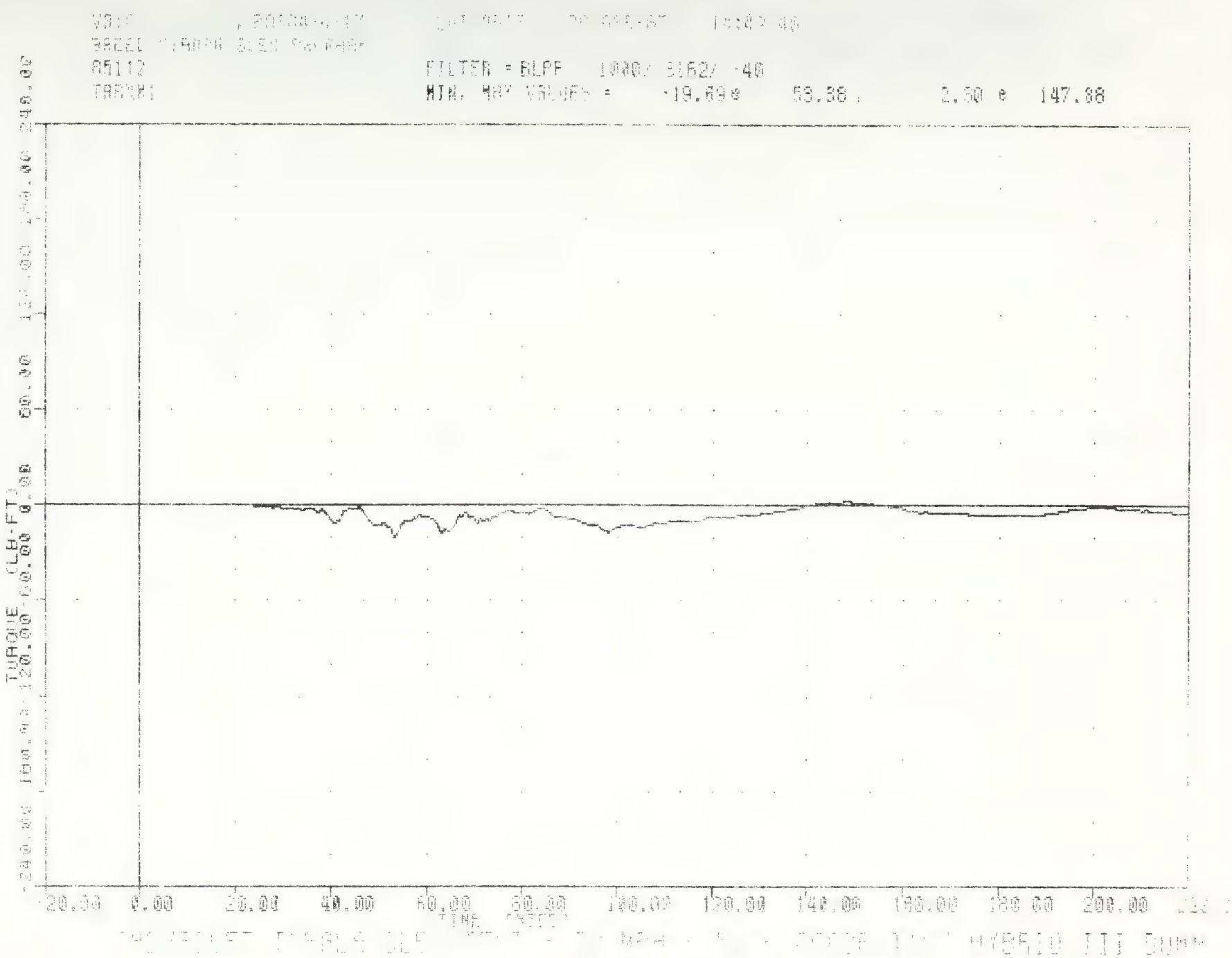


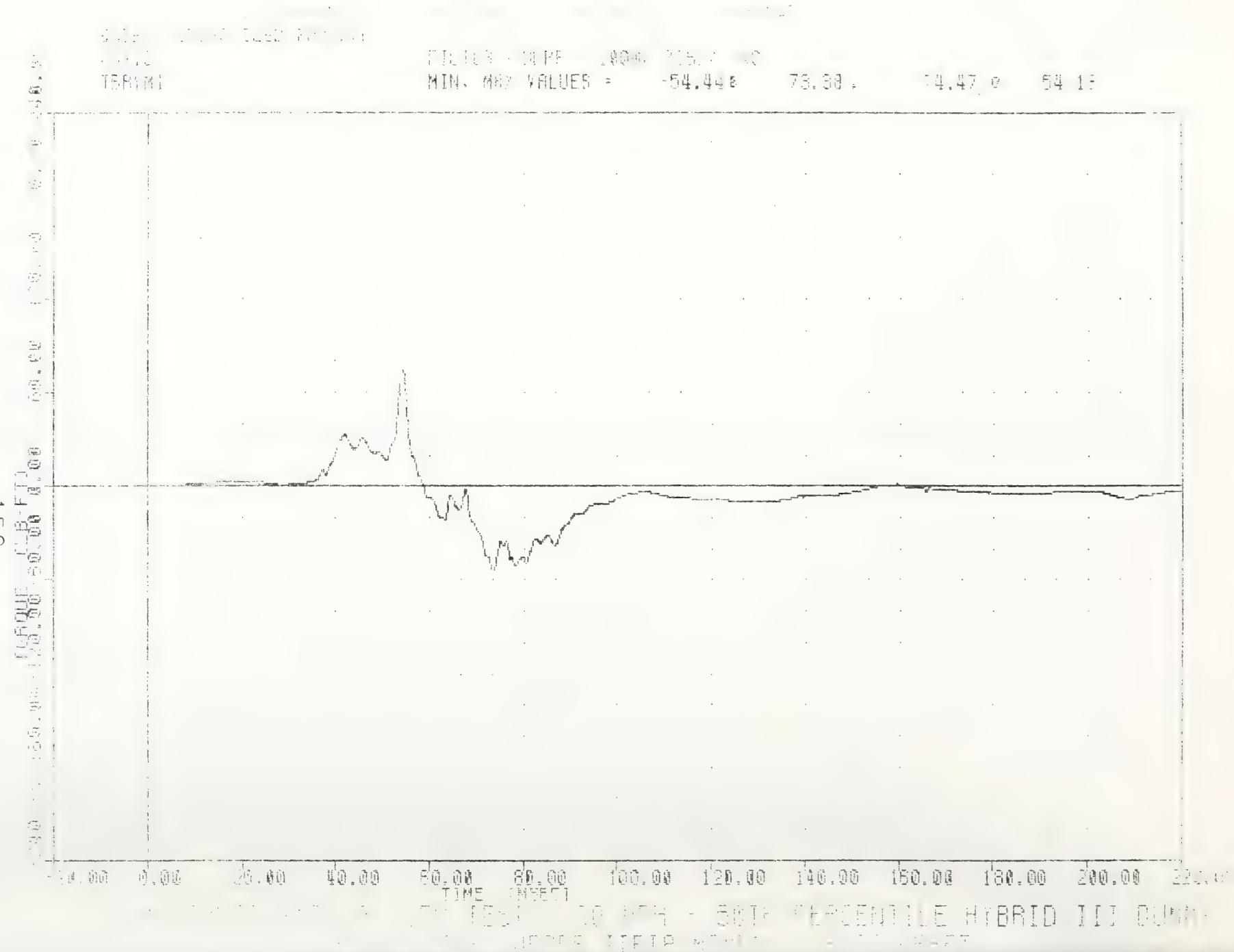
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE - LOFT SENSOR #6

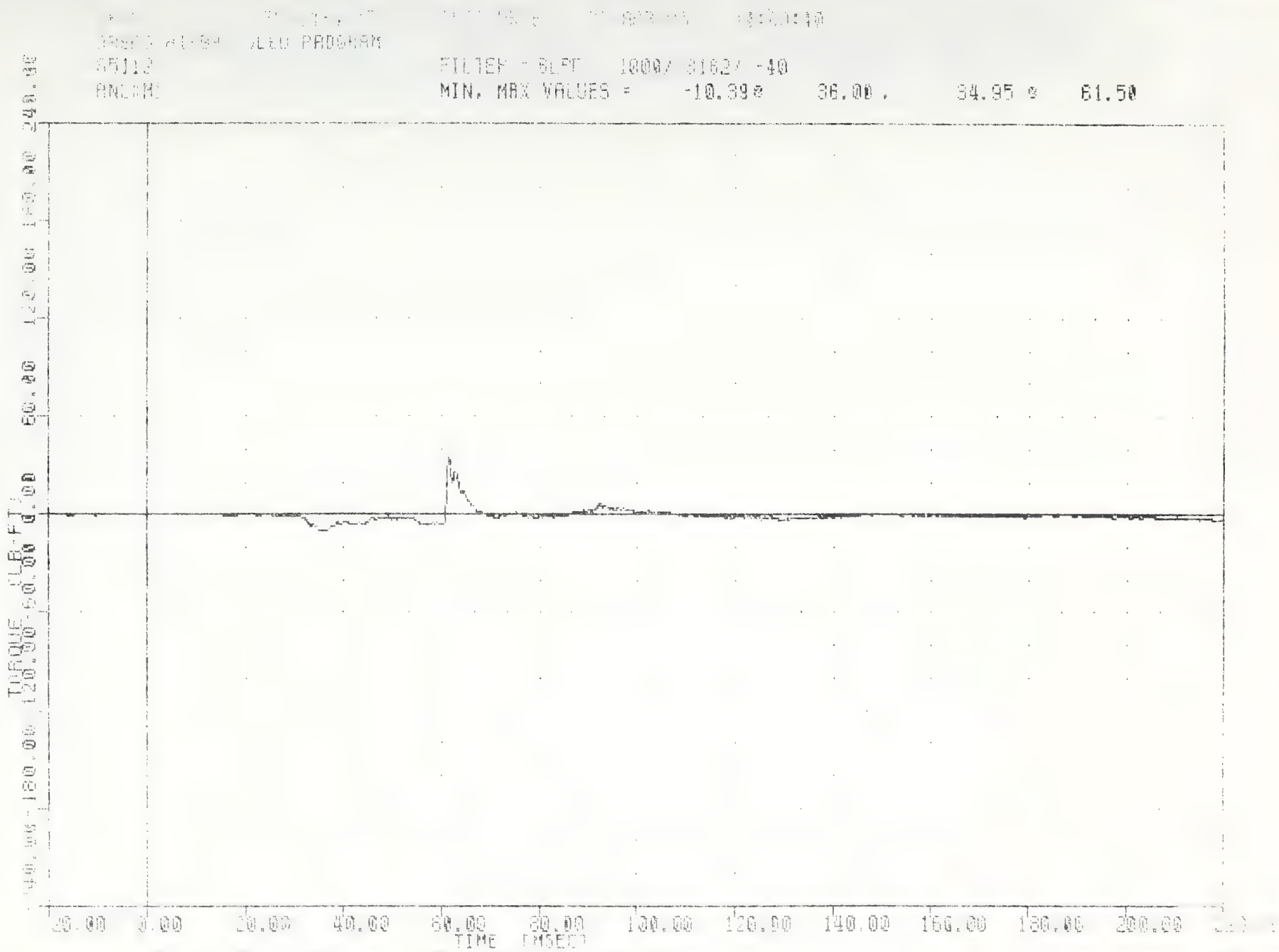

FILTER = CLFF 1000/ 3162/ -40
MIN, MAX VALUES = -165.83 @ 54.50 , 49.19 @ 136.86
TIME (MSEC)

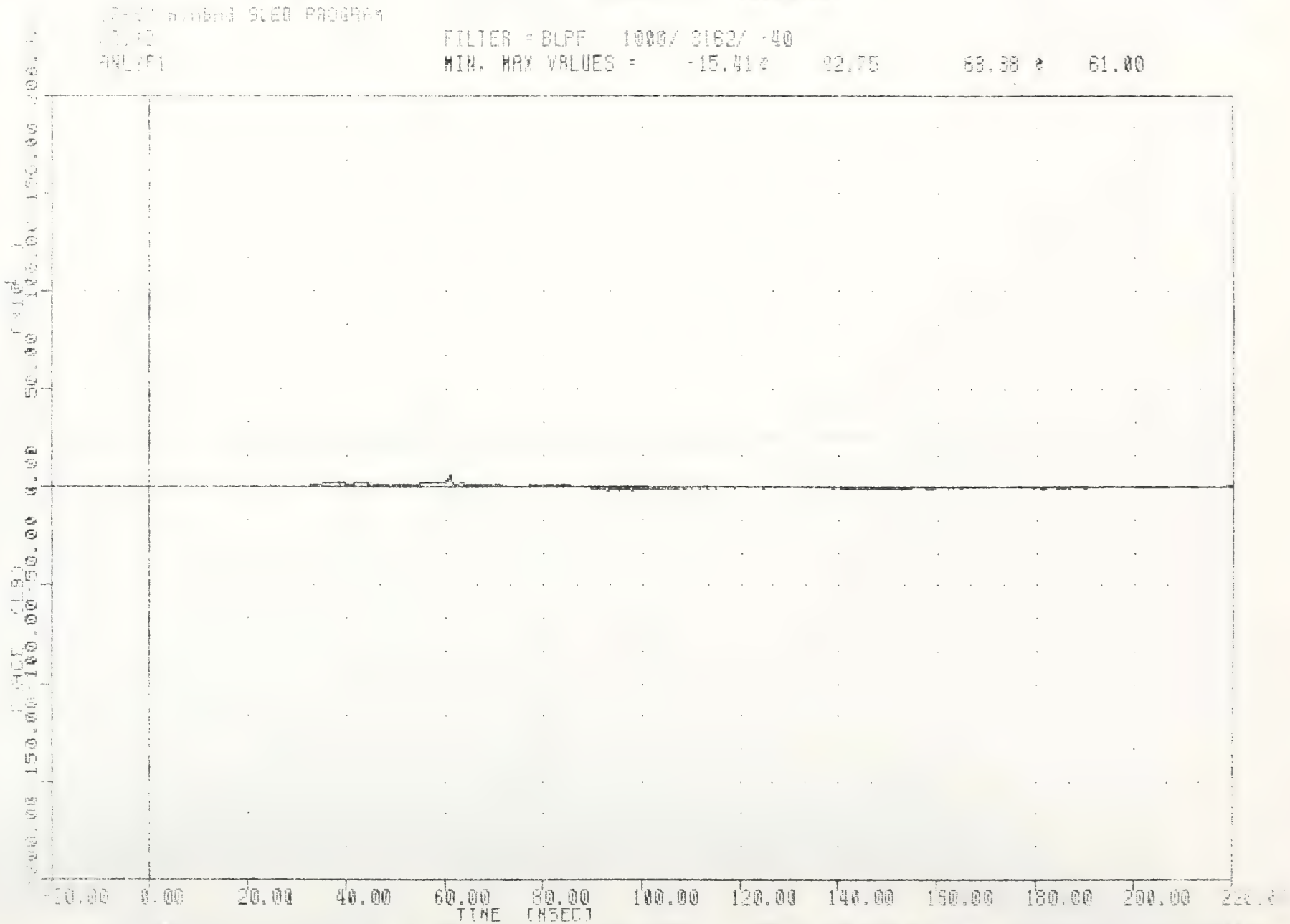

BRAZIL AIRBAG SLED PROGRAM
FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -13.30 , 92.50 , 28.23 , 61.00
TORQUE FT-LB
TIME (MSEC)

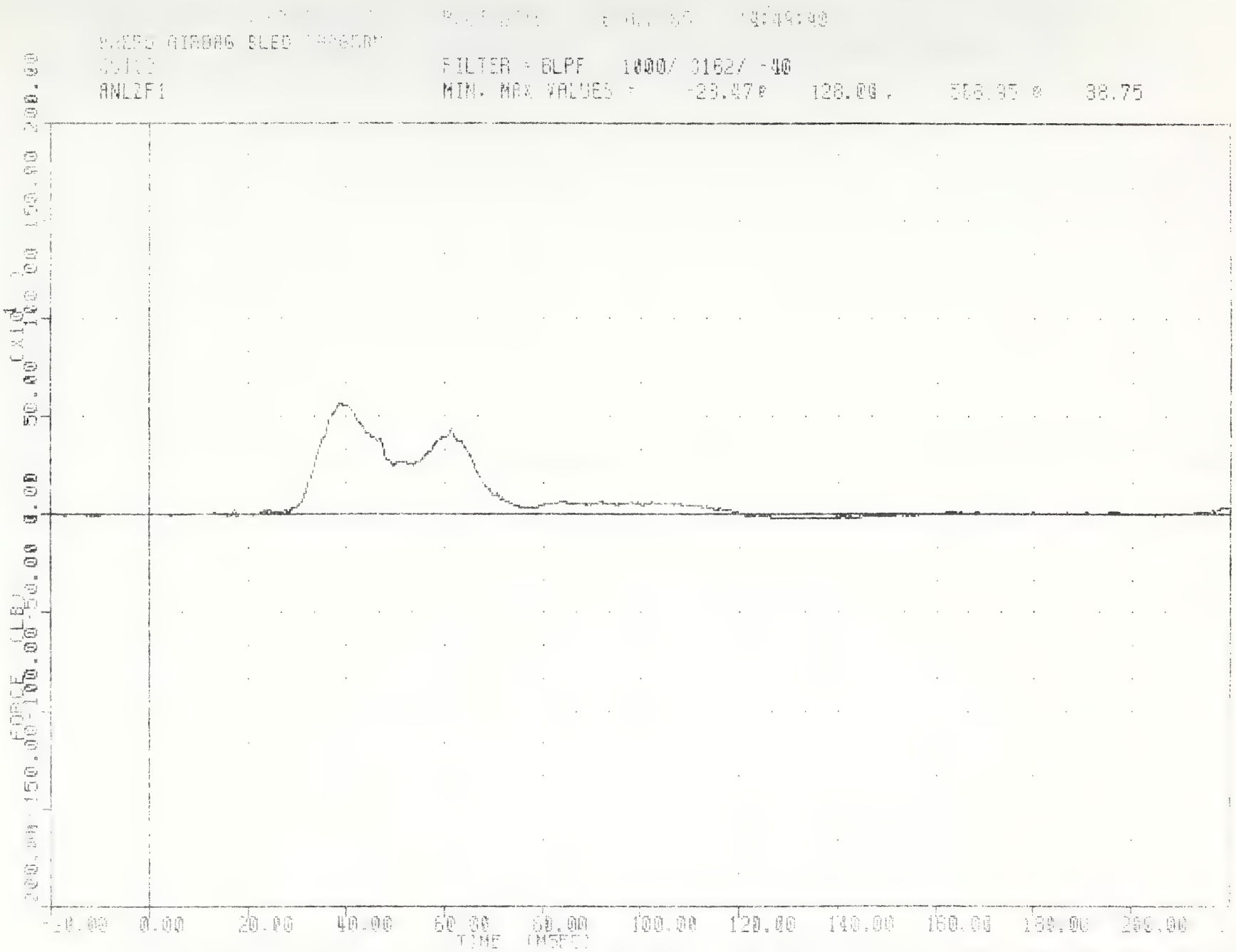


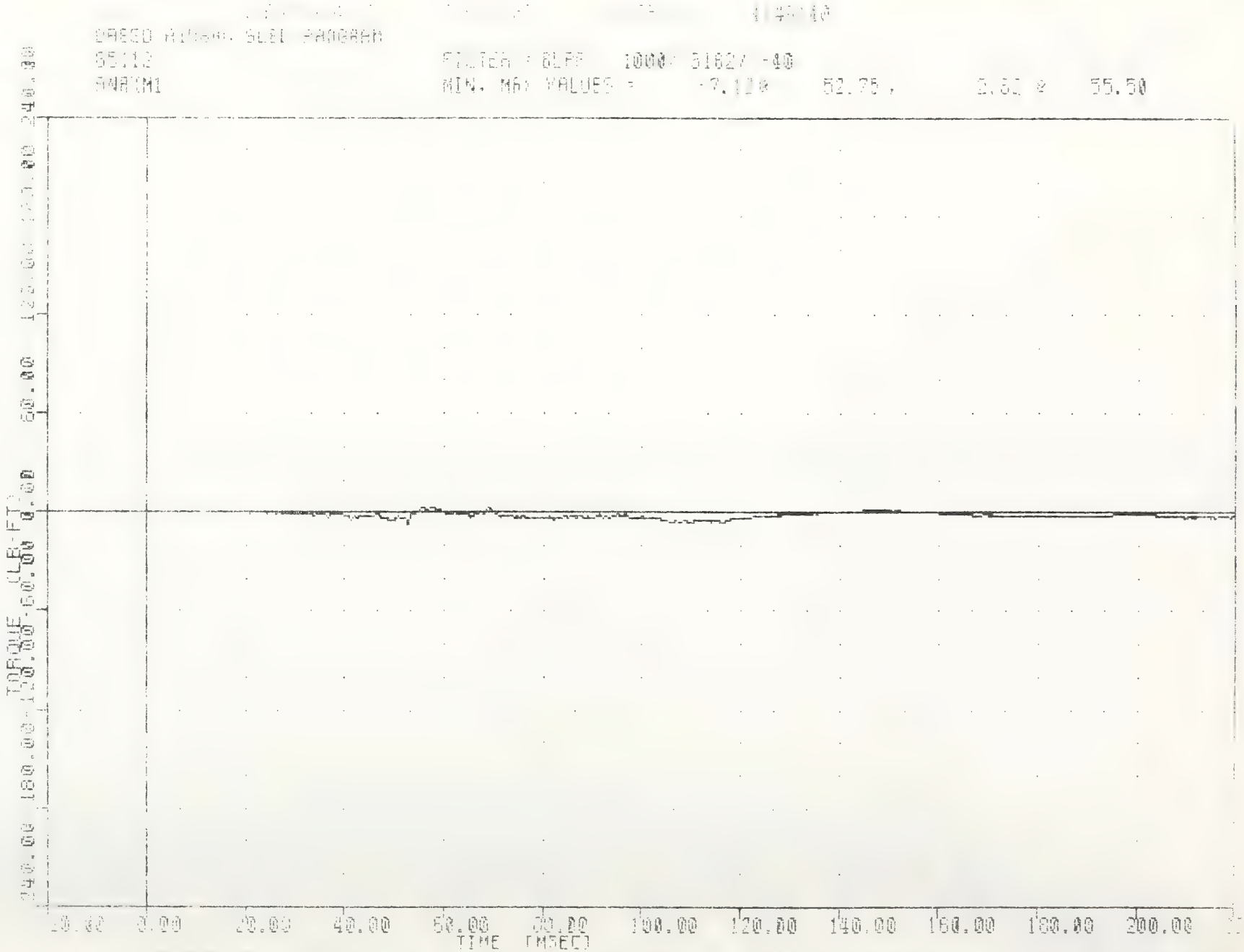

85112
FILTER = BLPF
MIN. MAX VALUES =
-19.89 @
53.38 ,
2.50 @
147.88
TORQUE (LB-FT)
TIME (SEC)
-20.00
0.00
20.00
40.00
60.00
140.00
160.00
180.00
200.00

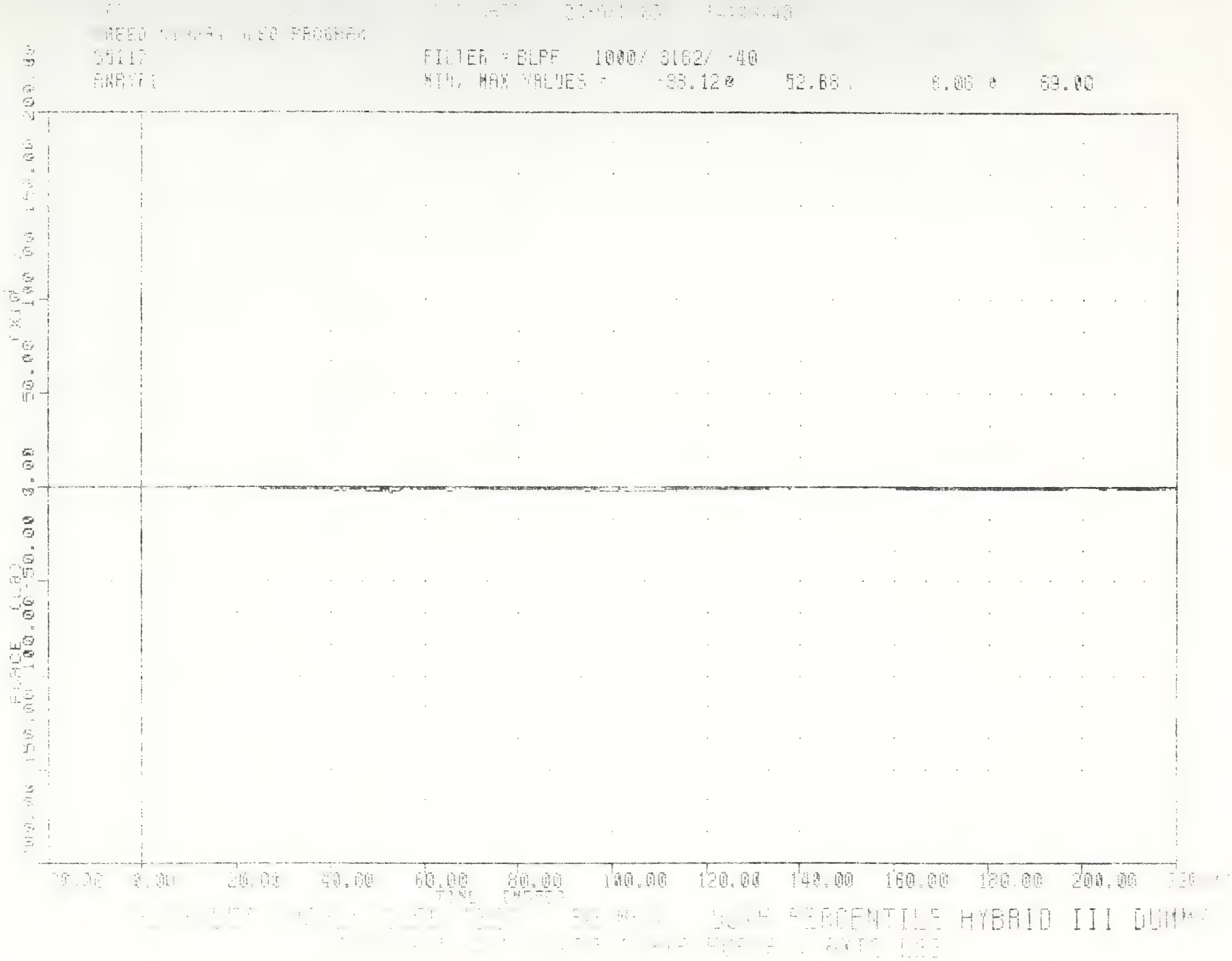

TERMINI
MIN. MAX VALUES = -54.448 73.80 , 14.47 @ 54.19
TORQUE (LB-FT)
TIME (MSEC)
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00

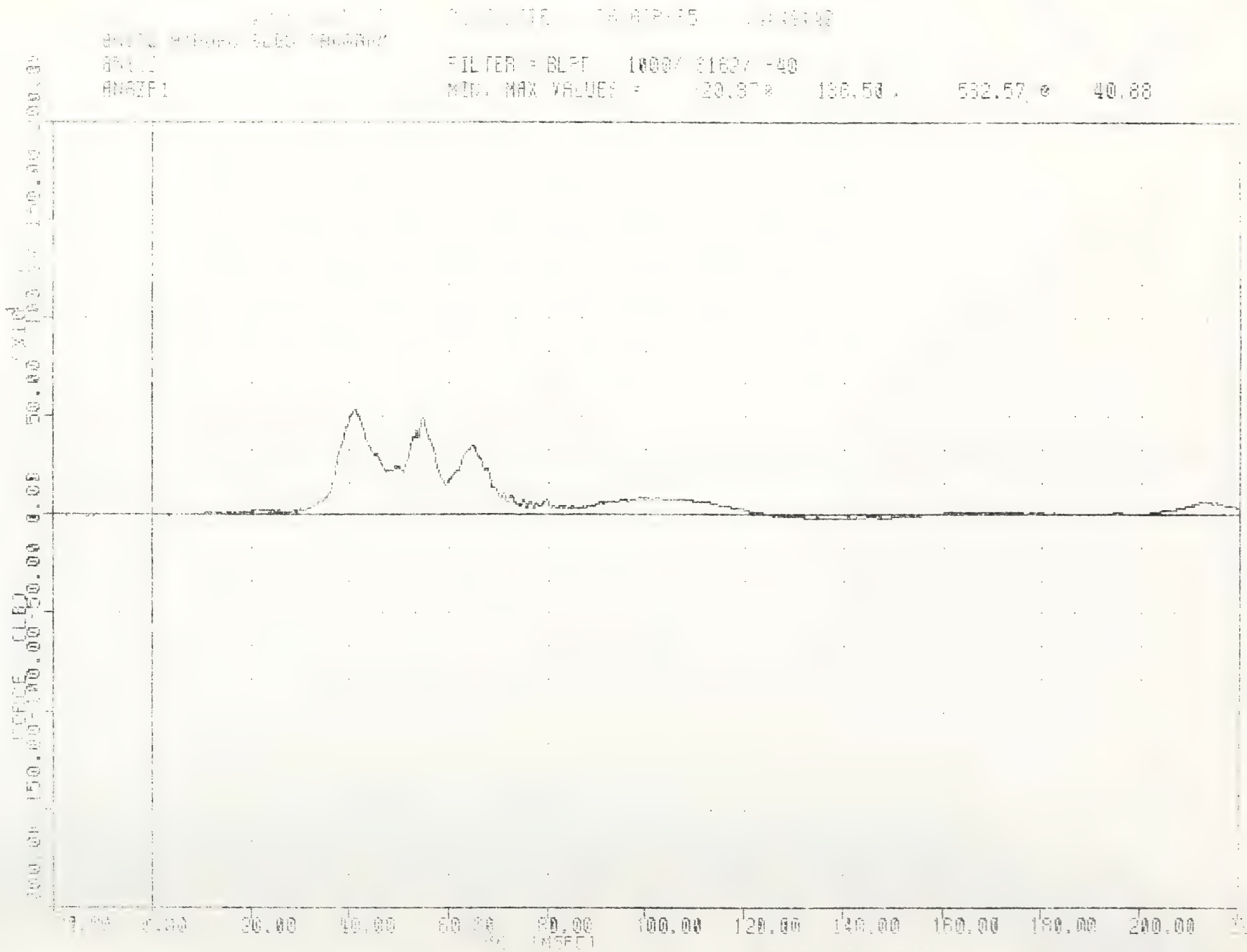

ALLU PROGRAM
FILTER - SLPT 1000/ 3162/ -40
MIN. MAX VALUES = -10.39@ 36.00 , 34.95 @ 61.50
TORQUE - LB-FT
TIME (MSEC)

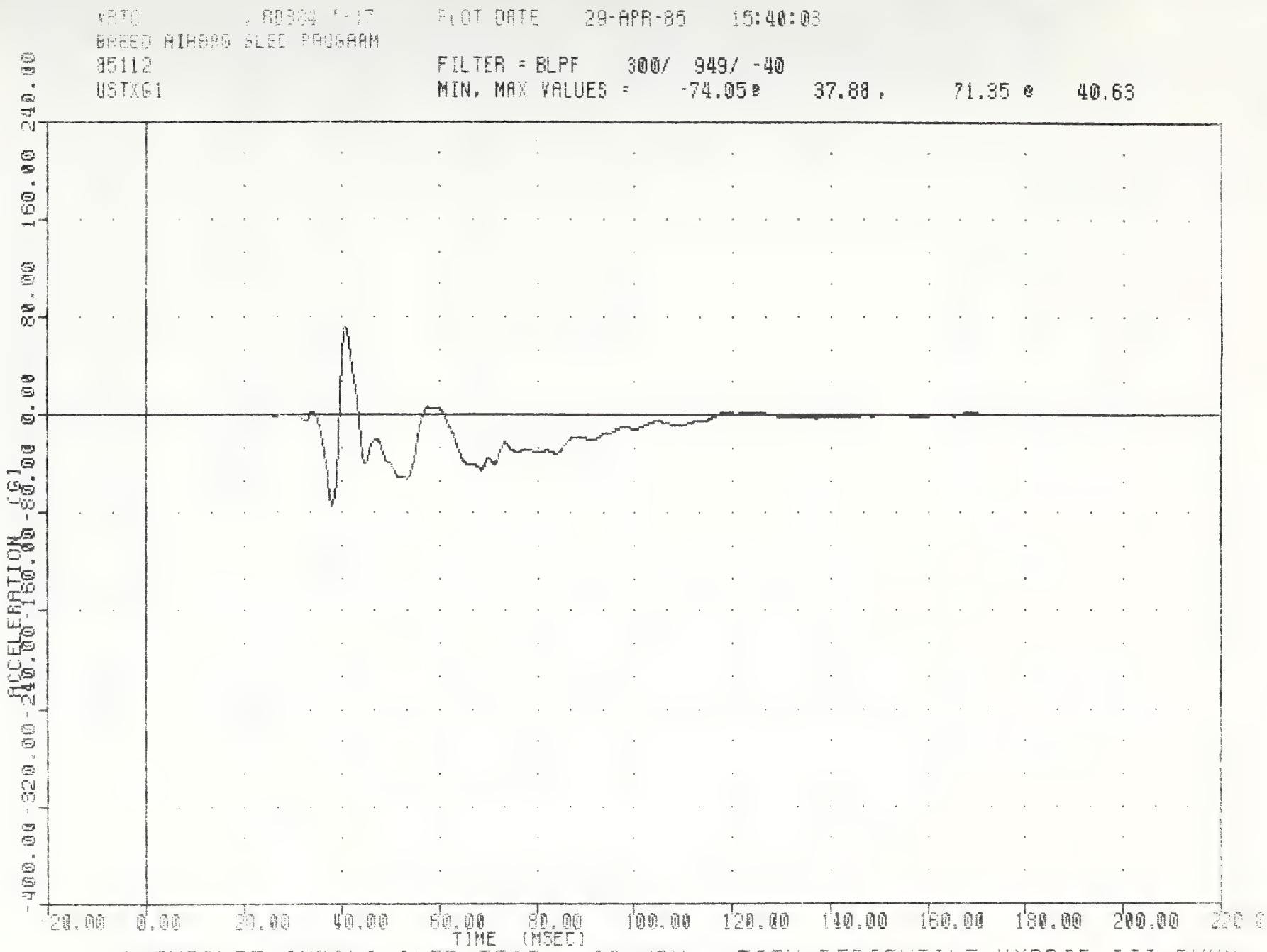

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -15.41 @ 92.75 68.38 @ 81.00
TIME (MSEC)


FILTER = BLPF 1000/ 3162/ -40
ANL2F1
MIN. MAX VALUES = -23.47 128.00 38.75
FORCE (LB)
TIME (MSEC)

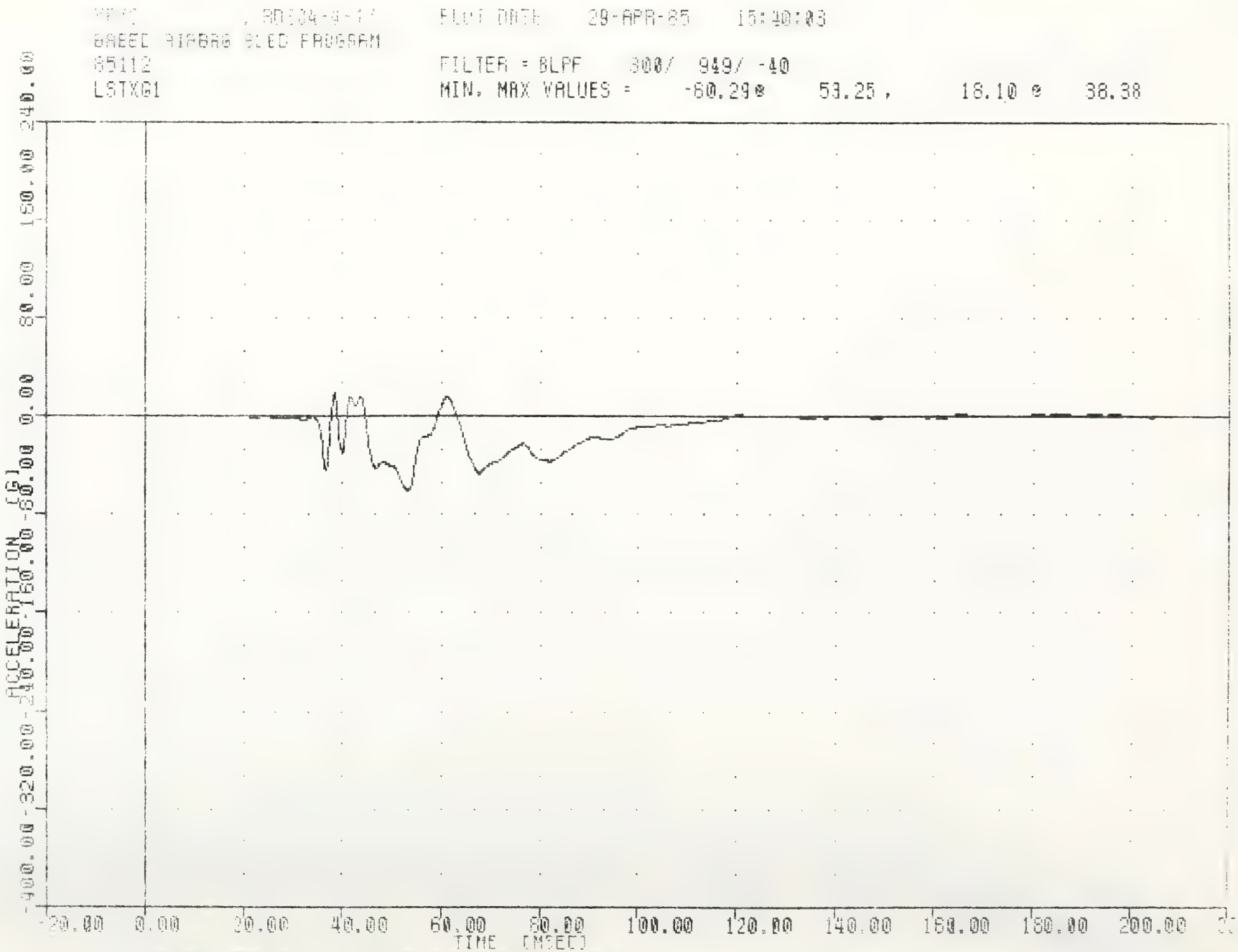

FILTER : 0LFB 1000: 31627 -40
MIN. MAX VALUES = -7.110 52.75 , 3.61 @ 55.50
TORQUE (LB-FT)
240.00 180.00 120.00 60.00 0.00 -60.00 -120.00 -180.00 -240.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME (MSEC)


FILTER = BLPF 1000/ 3162/ .40
MIN, MAX VALUES = -88.12 @ 52.88 , 8.06 @ 69.00
FORCE LBS
TIME (MSECS)
50 PERCENTILE HYBRID III DUM


FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -20.87 @ 136.50 . 532.57 @ 40.88
0.00
50.00
100.00
150.00
200.00
-50.00
-100.00
-150.00
-200.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS



CHEVROLET INFLA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMM

TRC419P.RAD;2
VRTC RD384-4-18 BREED AIRBAG SLED PROGRAM 28-APR-85 08:55
85113 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.044 @ 40.000	1.604 @ -14.500 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.991 @ 119.750	0.169 @ -0.500 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.453 @ 56.625	0.736 @ 121.375 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-35.191 @ 60.125	6.868 @ 45.500 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-3.307 @ 46.500	4.260 @ 97.500 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-19.186 @ 108.750	9.229 @ 138.250 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-25.284 @ 74.250	3.445 @ 142.125 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-2.540 @ 88.375	1.192 @ 55.125 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-3.246 @ 52.375	4.270 @ 64.375 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-83.121 @ 38.375	83.726 @ 41.125 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-54.422 @ 49.625	30.066 @ 63.625 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-44.923 @ 81.000	1.274 @ 144.500 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-4.151 @ 79.125	2.401 @ 109.750 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-15.923 @ 86.125	1.626 @ 187.000 msec	g	BLPF 300/ 949/ -40
15	STHPG	-148.449 @ 92.750	39.865 @ 100.125 msec	g	BLPF 100/ 316/ -40
16	STHLG	-9.113 @ 97.250	16.302 @ 90.375 msec	g	BLPF 100/ 316/ -40
17	STHIG	-28.475 @ 100.625	52.280 @ 94.500 msec	g	BLPF 100/ 316/ -40
18	LPBXG	-22.993 @ 56.750	0.864 @ 121.125 msec	g	BLPF 100/ 316/ -40
19	LPBYG	-2.597 @ 112.375	2.873 @ 35.375 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-2.548 @ 33.750	3.713 @ 28.875 msec	g	BLPF 100/ 316/ -40
21	LBOF1	-3.608 @ 215.750	1347.025 @ 87.500 msec	lb	BLPF 100/ 316/ -40
22	ABTP	-2.631 @ 39.625	34.572 @ 29.875 msec	psig	ALPF 1650/ 5214/ -40
23	ABT1	-2.726 @ 25.875	0.003 @ -12.875 msec	volt	ALPF 1650/ 5214/ -40
24	ABT2	-3.275 @ 25.625	0.001 @ -19.375 msec	volt	ALPF 1650/ 5214/ -40
25	ABT3	-0.006 @ -0.500	2.030 @ 24.000 msec	volt	ALPF 1650/ 5214/ -40
26	ABT4	-0.018 @ 47.250	2.162 @ 48.375 msec	volt	ALPF 1650/ 5214/ -40

TRC419RP.RAD;2
VRTC RD384-4-18 BREED AIRBAG SLED PROGRAM 24-APR-85 13:08
85113 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.037 @ -12.625	35.864 @ 61.000 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.057 @ -16.875	25.419 @ 74.625 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.043 @ -9.125	46.573 @ 81.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.024 @ -19.125	154.135 @ 92.875 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.095 @ -19.375	23.013 @ 56.625 msec	g	BLPF 100/ 316/ -40

TRC419AP.RAD;1
VRTC RD384-4-18 BREED AIRBAG SLED PROGRAM 24-APR-85 13:08
85113 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HD2ZG1	-28.026	@	45.250	15.621	@	92.000 msec	g	ALPF	1650/	5214/	-40
2	CSTXD1	-0.015	@	15.625	1.275	@	70.250 msec	in	BLPF	300/	949/	-40
3	KNLF1	-248.725	@	60.500	81.406	@	114.500 msec	lb	BLPF	1000/	3162/	-40
4	KNLFA	-315.127	@	40.125	39.797	@	218.500 msec	lb	BLPF	1000/	3162/	-40
5	KNRF1	-260.762	@	51.375	47.655	@	180.625 msec	lb	BLPF	1000/	3162/	-40
6	KNRFA	-195.044	@	40.500	30.379	@	211.250 msec	lb	BLPF	1000/	3162/	-40
7	TBLXM1	-10.905	@	60.750	26.023	@	45.750 msec	lb-ft	BLPF	1000/	3162/	-40
8	TBLYM1	-60.115	@	46.000	87.937	@	79.250 msec	lb-ft	BLPF	1000/	3162/	-40
9	TBRXM1	-21.564	@	63.750	4.713	@	89.875 msec	lb-ft	BLPF	1000/	3162/	-40
10	TBRYM1	-65.407	@	50.750	74.605	@	79.750 msec	lb-ft	BLPF	1000/	3162/	-40
11	ANLZF1	-6.617	@	173.000	574.606	@	38.500 msec	lb	BLPF	1000/	3162/	-40
12	ANRXM1	-6.514	@	44.500	4.180	@	107.375 msec	lb-ft	BLPF	1000/	3162/	-40
13	ANRYF1	-9.029	@	34.375	40.838	@	44.875 msec	lb	BLPF	1000/	3162/	-40
14	ANRZF1	-17.936	@	154.375	499.736	@	38.750 msec	lb	BLPF	1000/	3162/	-40

TRC419IP.RAD;2
VRTC RD384-4-18 BREED AIRBAG SLED PROGRAM 1-MAY-85 15:04
85113 30.00 mph

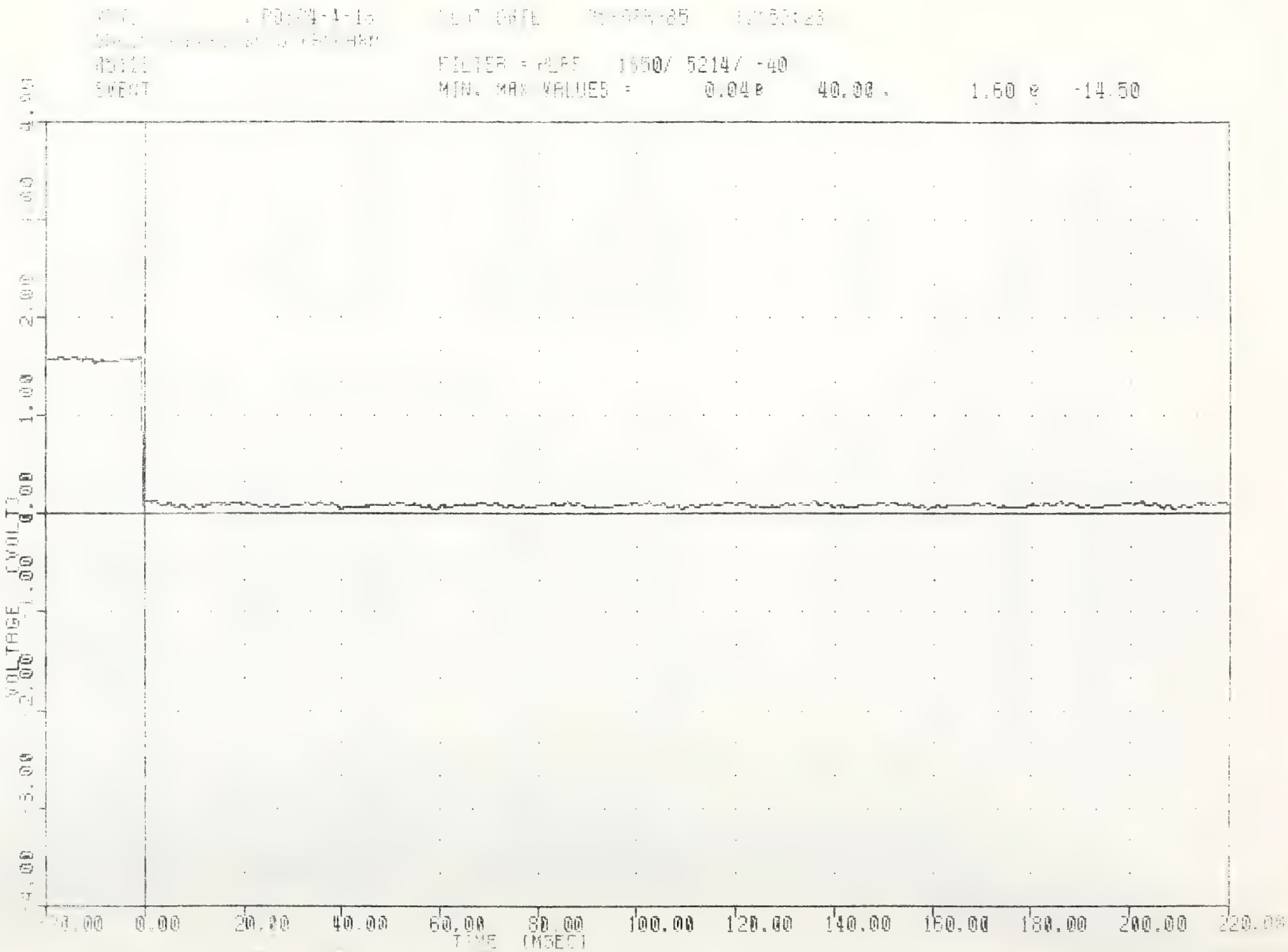
		Min value			Max value			Data Units	Filter			
1	HEDXV1	-40.464	@	220.000	0.216	@	48.500 msec	mph	BLPF	300/	949/	-40
2	HEDXD1	-54.922	@	220.000	-0.078	@	-20.000 msec	in	BLPF	300/	949/	-40
3	CSTXV1	-35.079	@	140.750	-0.763	@	-9.250 msec	mph	BLPF	300/	949/	-40
4	CSTXD1	-56.559	@	220.000	-0.402	@	-20.000 msec	in	BLPF	300/	949/	-40
5	PEVXV1	-32.927	@	126.750	-0.322	@	-2.875 msec	mph	BLPF	300/	949/	-40
6	PEVXD1	-58.296	@	220.000	-0.178	@	-20.000 msec	in	BLPF	300/	949/	-40
7	SLDXVI	-32.615	@	115.375	0.005	@	-20.000 msec	mph	BLPF	300/	949/	-40
8	SLDXD	-62.713	@	220.000	0.004	@	-15.500 msec	in	BLPF	300/	949/	-40
9	STHPV	-28.476	@	112.000	0.105	@	-14.375 msec	mph	BLPF	300/	949/	-40
10	STHPD	-49.676	@	220.000	0.073	@	7.250 msec	in	BLPF	300/	949/	-40
11	LPBXV	-31.877	@	114.500	-0.114	@	-15.375 msec	mph	BLPF	300/	949/	-40
12	LPBXD	-61.176	@	220.000	-0.070	@	-20.000 msec	in	BLPF	300/	949/	-40

HEDRG1

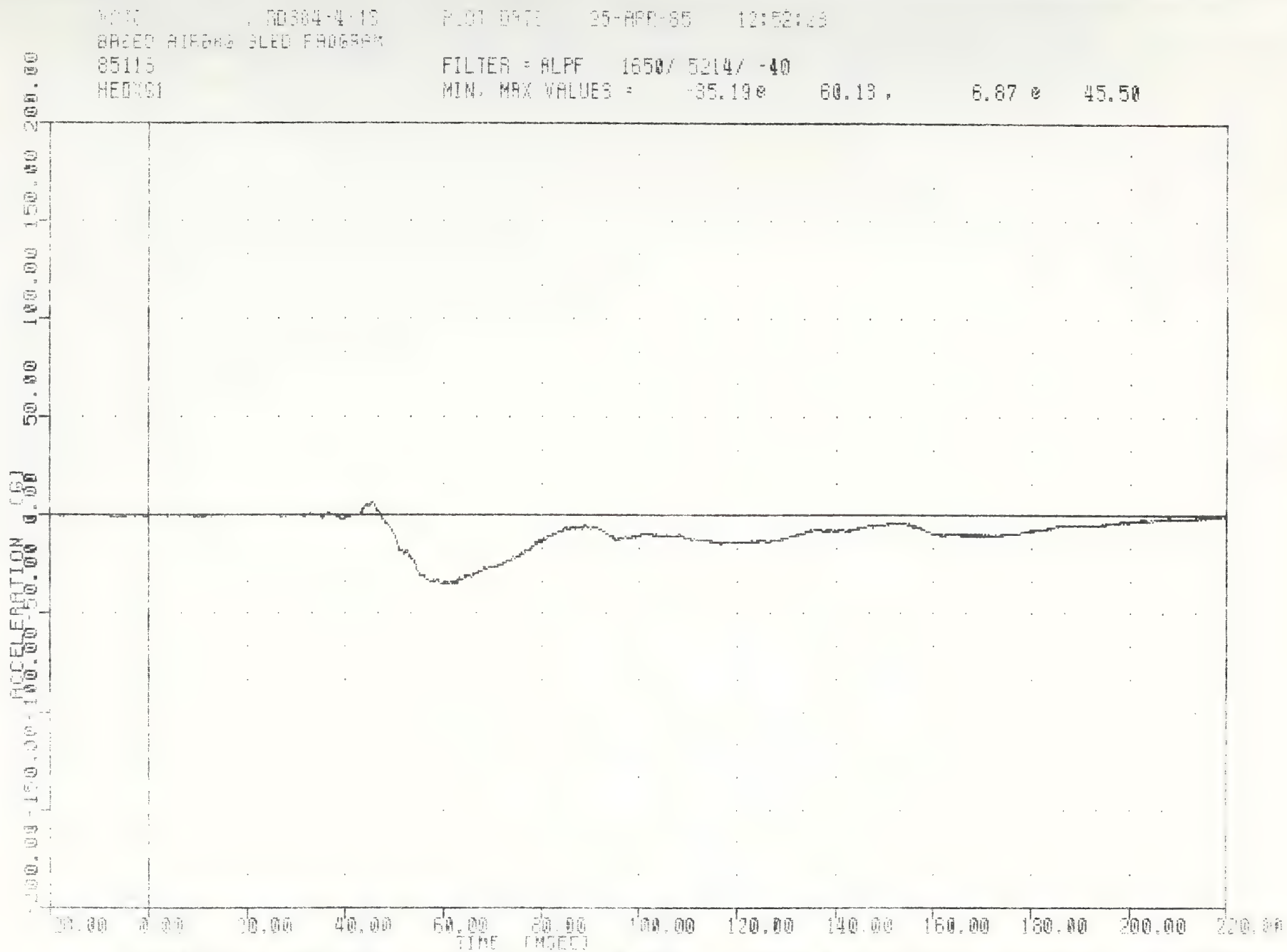
```
* * *   HIC computation for TRC419RP 24-APR-85 13:17:47

HEDRG1       VRTC         RD384-4-18  85113        BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 150.875 msec     Peak accel =  35.86 @  61.000

HIC =  122.39     Interval from  50.000 [ 561] to 143.250 [1307]

HIC =   86.82     Interval from  54.375 [ 596] to  69.375 [ 716]
```

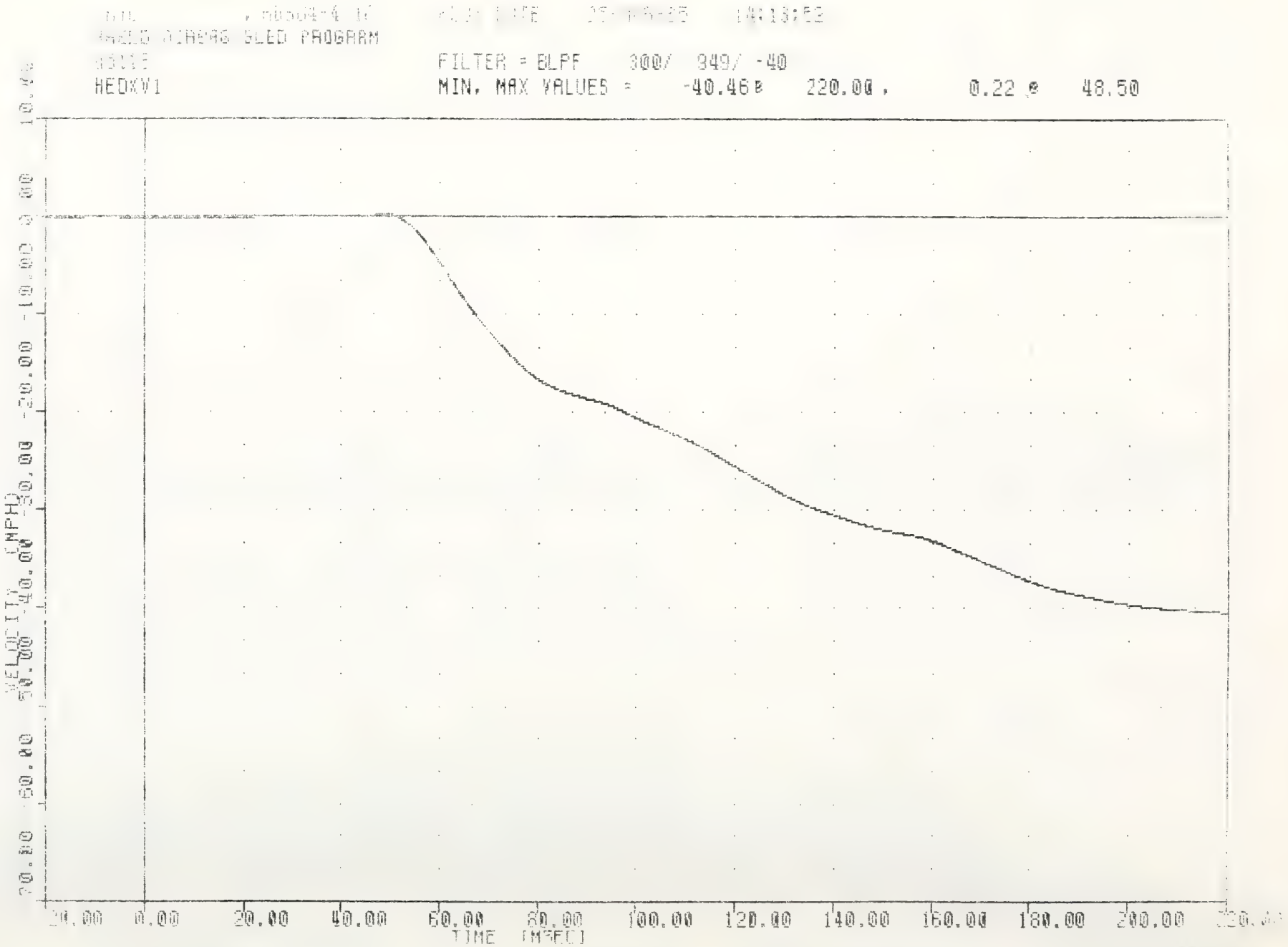
CSTRG1

```
[SLED.BREED]TRC419RP.RAD;2                                VRTC        RD384-4-18
BREED AIRBAG SLED PROGRAM        30.0 mph      85113          24-APR-85 13:15:02
Deltax: 0.125

3 MS CLIP PEAK:    25.08010

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```


FILTER = CLASS 1000/ 5214/ -40
MIN. MAX VALUES = 0.04 @ 40.00 , 1.60 @ -14.50
VOLTAGE (VOLTS)
TIME (MSEC)

170


FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -35.19@ 60.13, 6.87 @ 45.50
ACCELERATION [G]
TIME [MSEC]



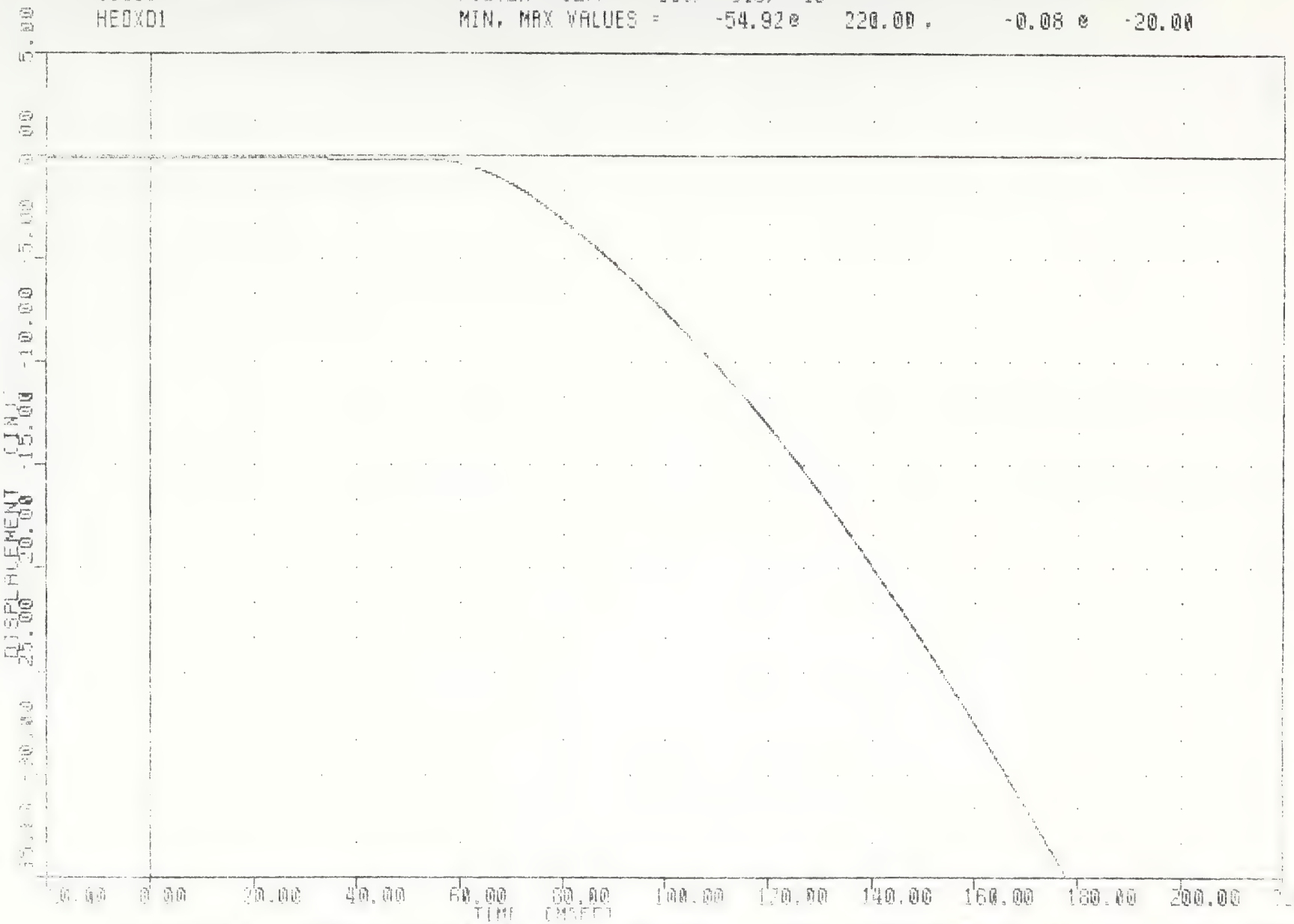
ET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM

[illegible] 25-APR-95 14:13:52

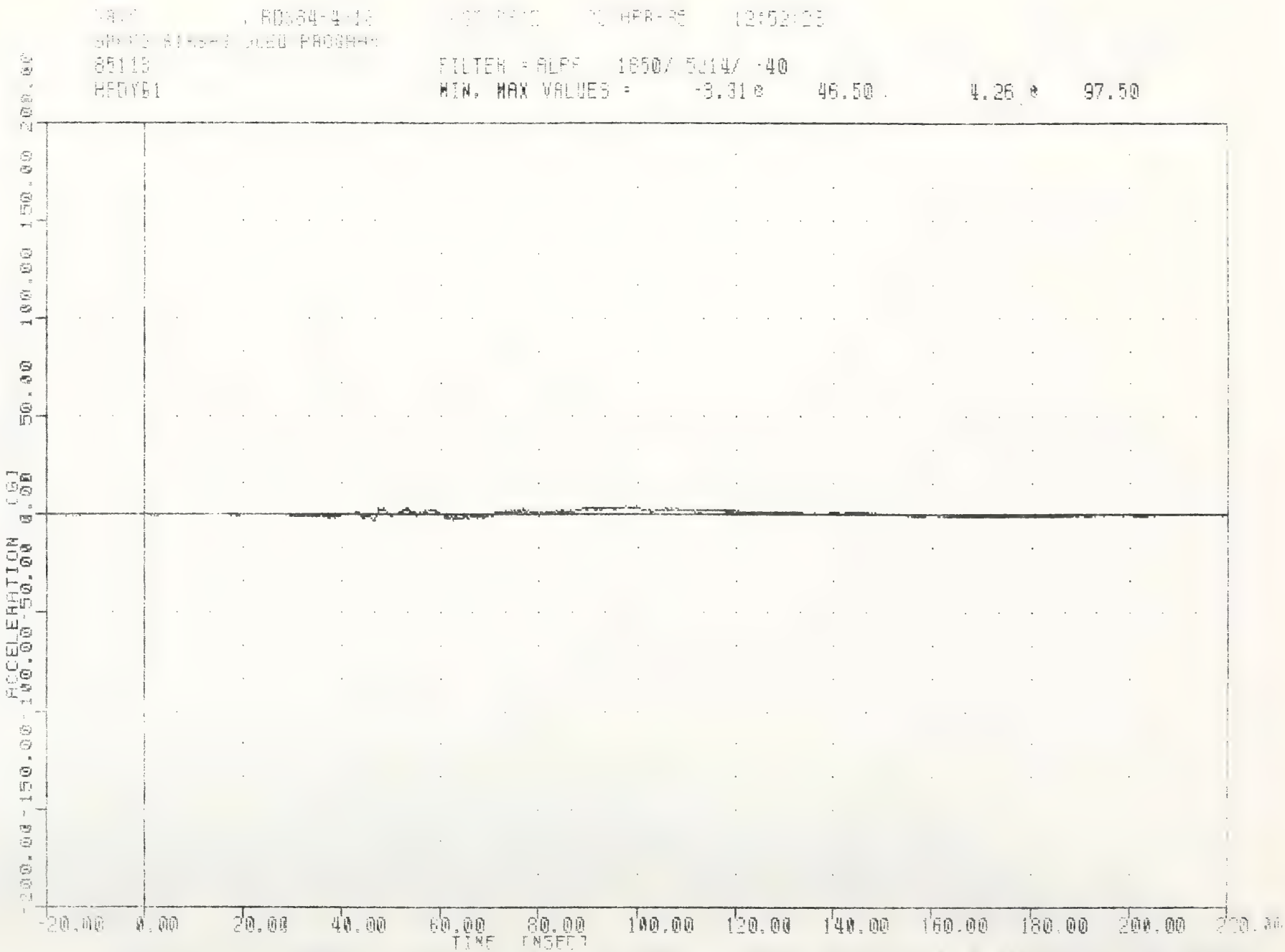
HS 20 MIGHAG SLED PROGRAM

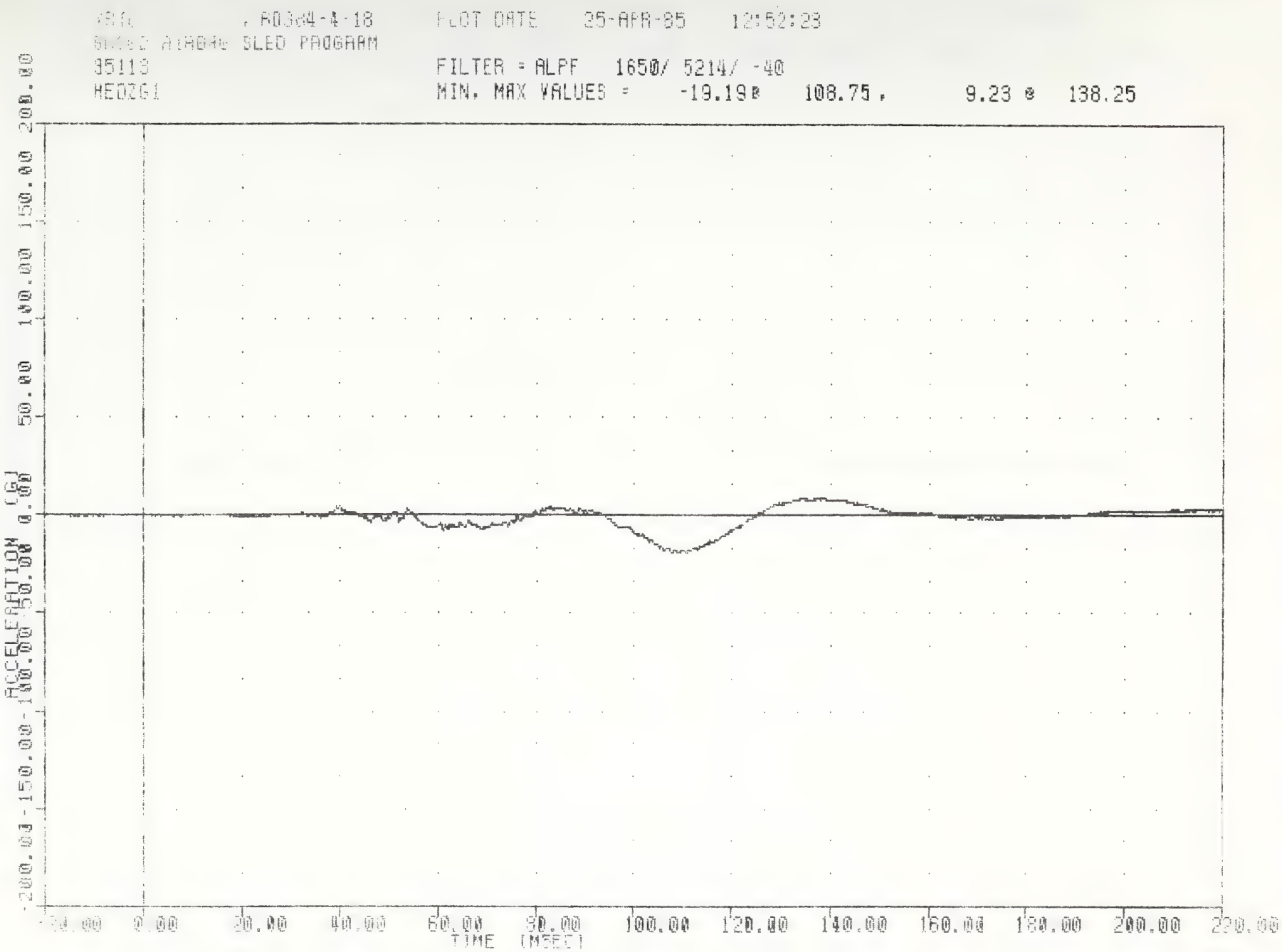
85113 FILTER = BLPF 300/ 949/ -40

HEOXD1 MIN, MAX VALUES = -54.92@ 220.00 , -0.08 @ -20.00

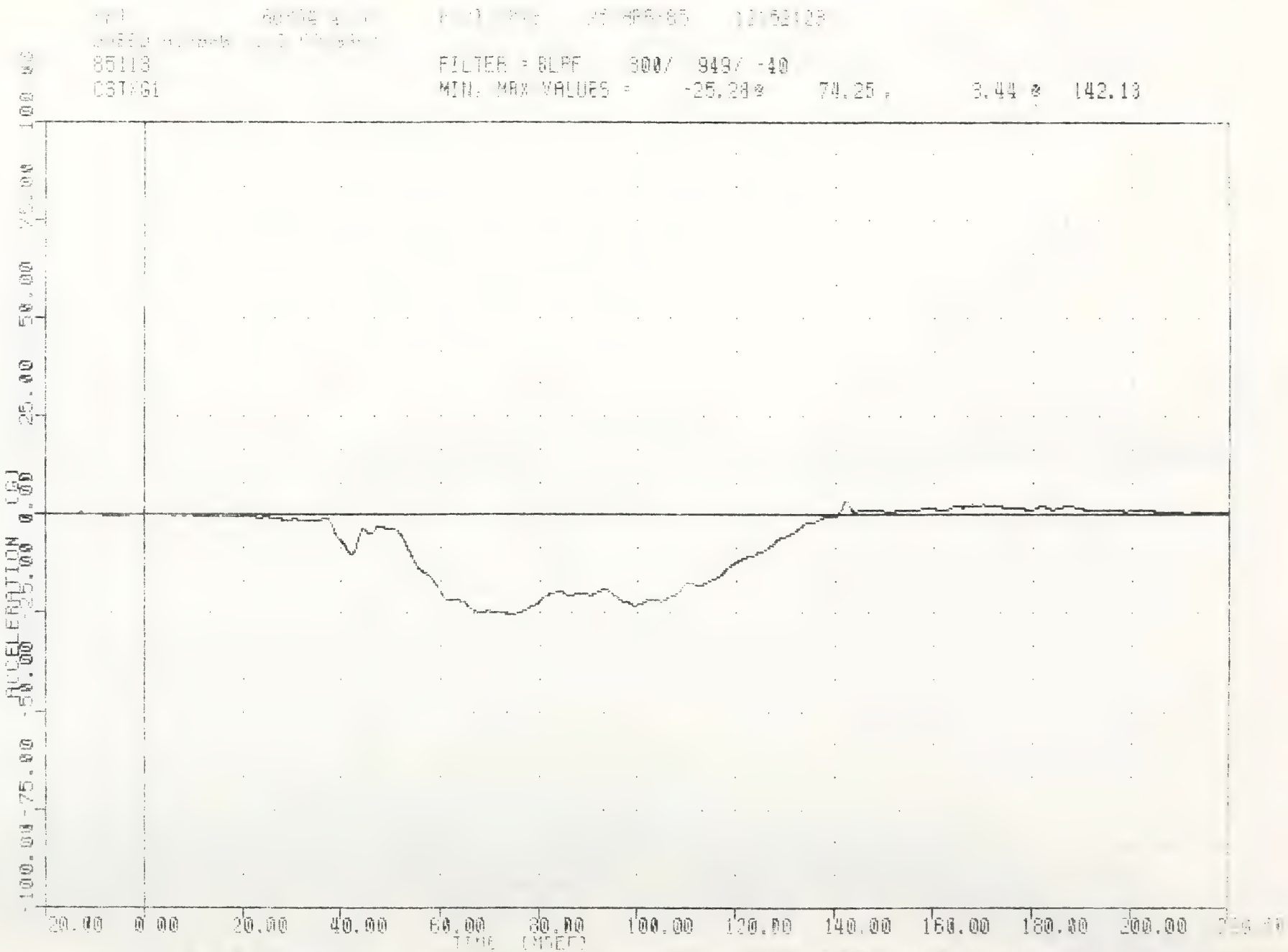


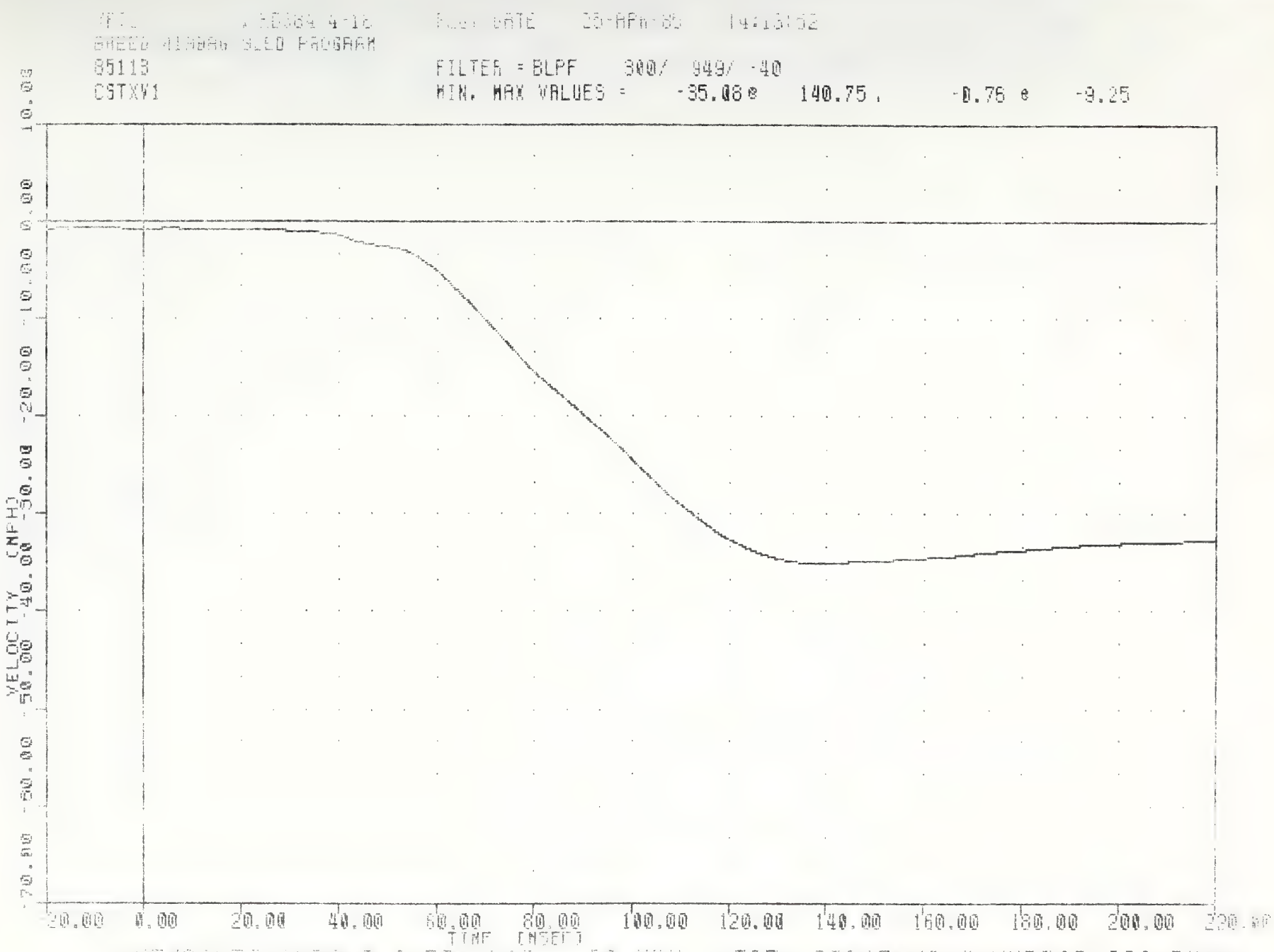
[illegible] 50TH PERCENTILE HYBRID III DUMMY


85113
FILTER = ALPF 1850/ 5014/ -40
MIN, MAX VALUES = -3.31 @ 46.50 4.26 @ 97.50
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME [MSEC]

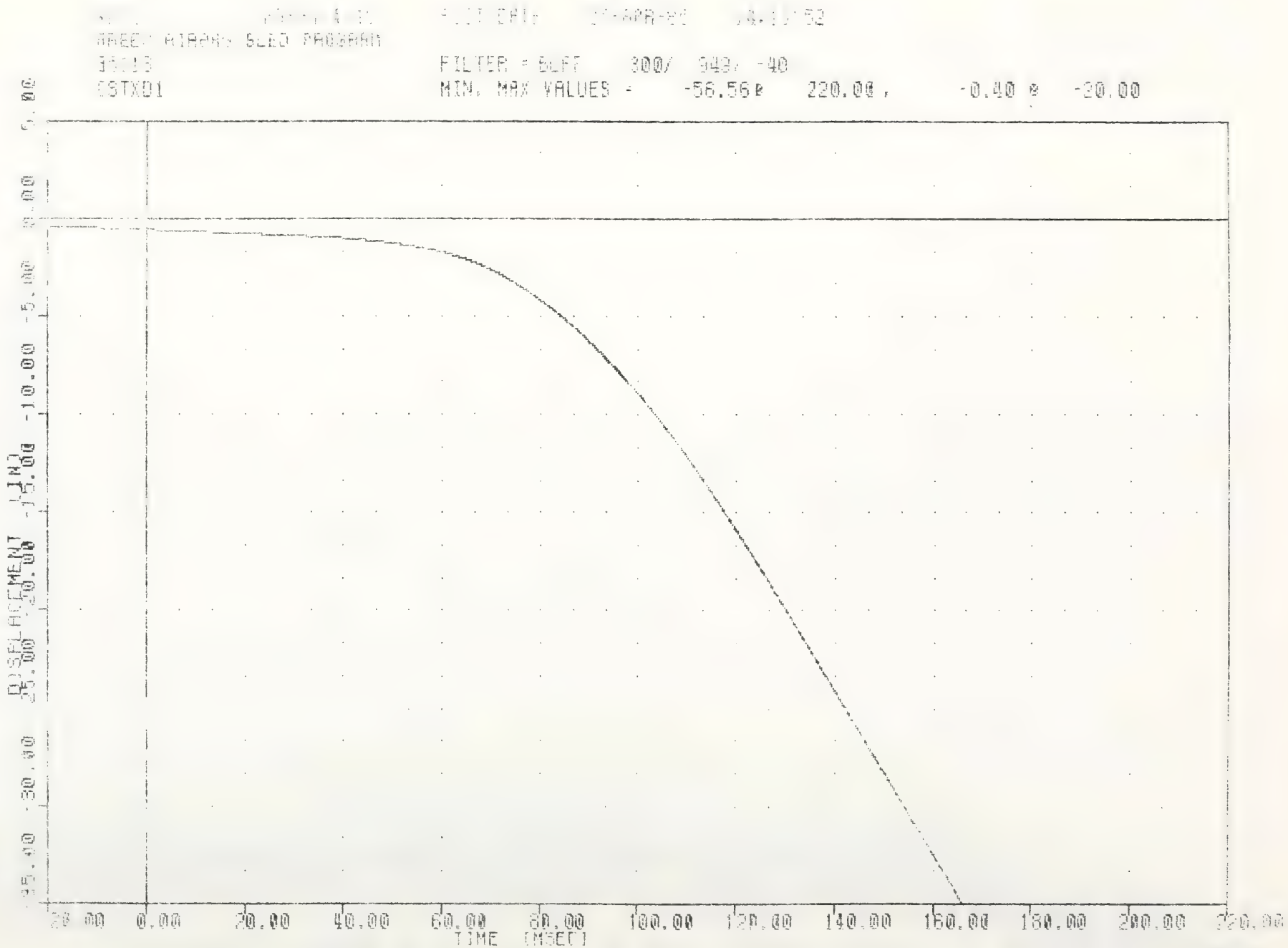


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS

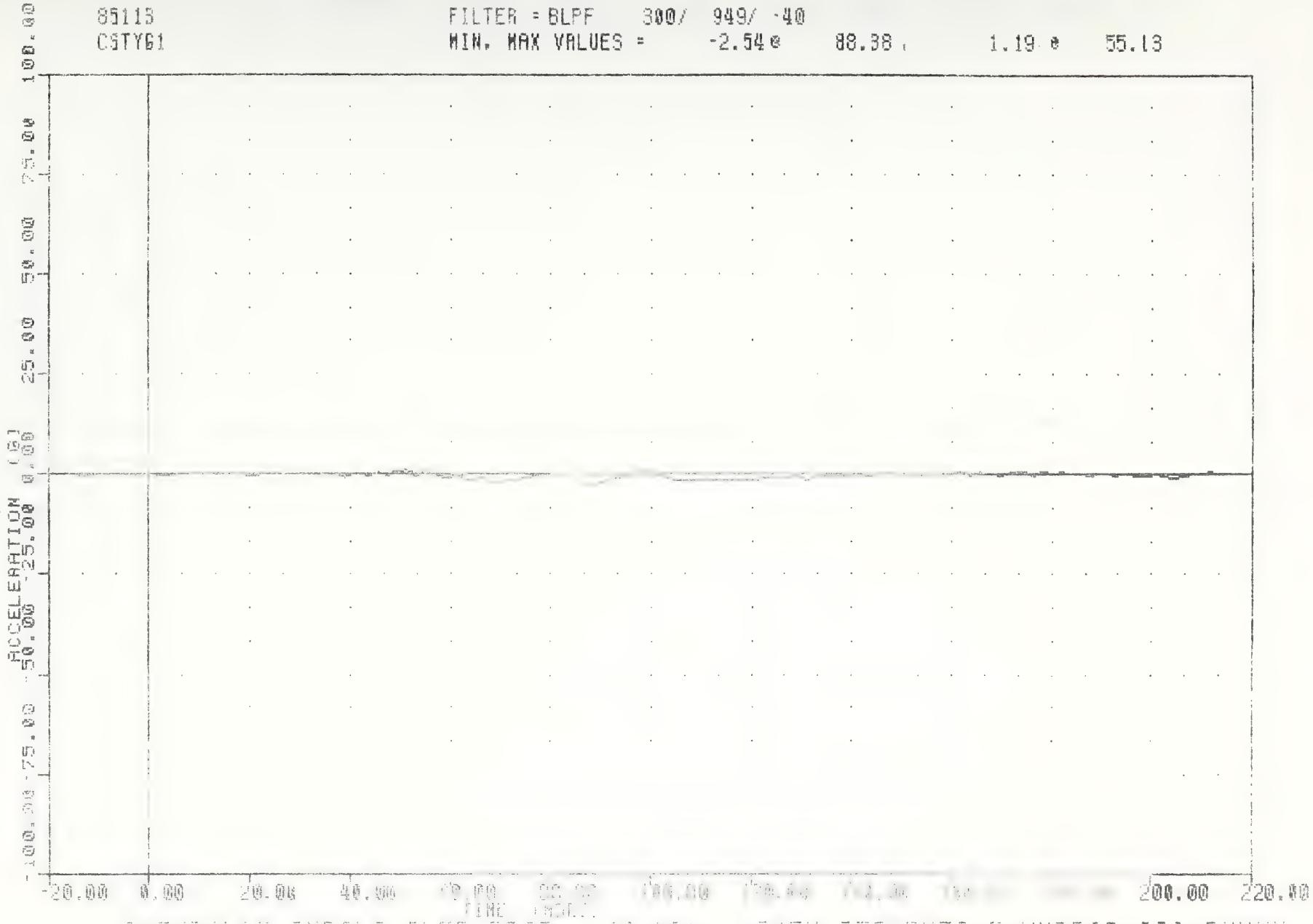

85113
CSTAG1
FILTER = BLPF 300/ 948/ -40
MIN. MAX VALUES = -25.28@ 74.25 , 3.44 @ 142.13
ACCELERATION (G)
100.00
75.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00
20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)



HEVROLET IMPALA SLED TEST - 30 MPH 50Th PERCENTILE HYBRID III DUMMY

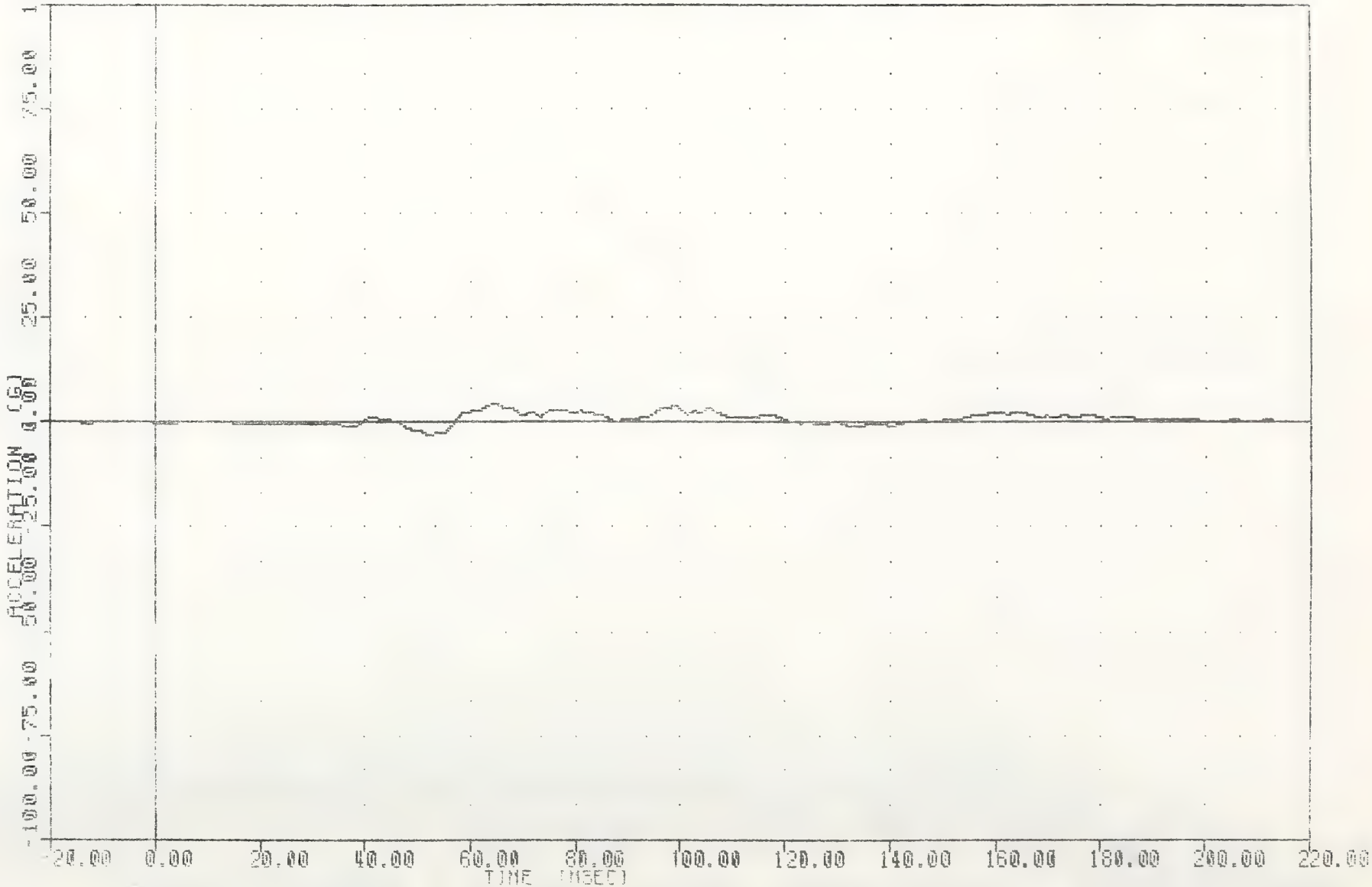

FILTER = BUTT 300/ 949/ -40
MIN. MAX VALUES - -56.56 @ 220.00 , -0.40 @ -30.00
DISPLACEMENT (IN)
TIME (MSEC)

DATE , RD384-4-18 PLOT DATE 25-APR-85 12:52:23
BREED AIRBAG SLED PROGRAM
85113 FILTER = BLPF 300/ 949/ -40
CSTYG1 MIN. MAX VALUES = -2.54 @ 88.38 , 1.19 @ 55.13

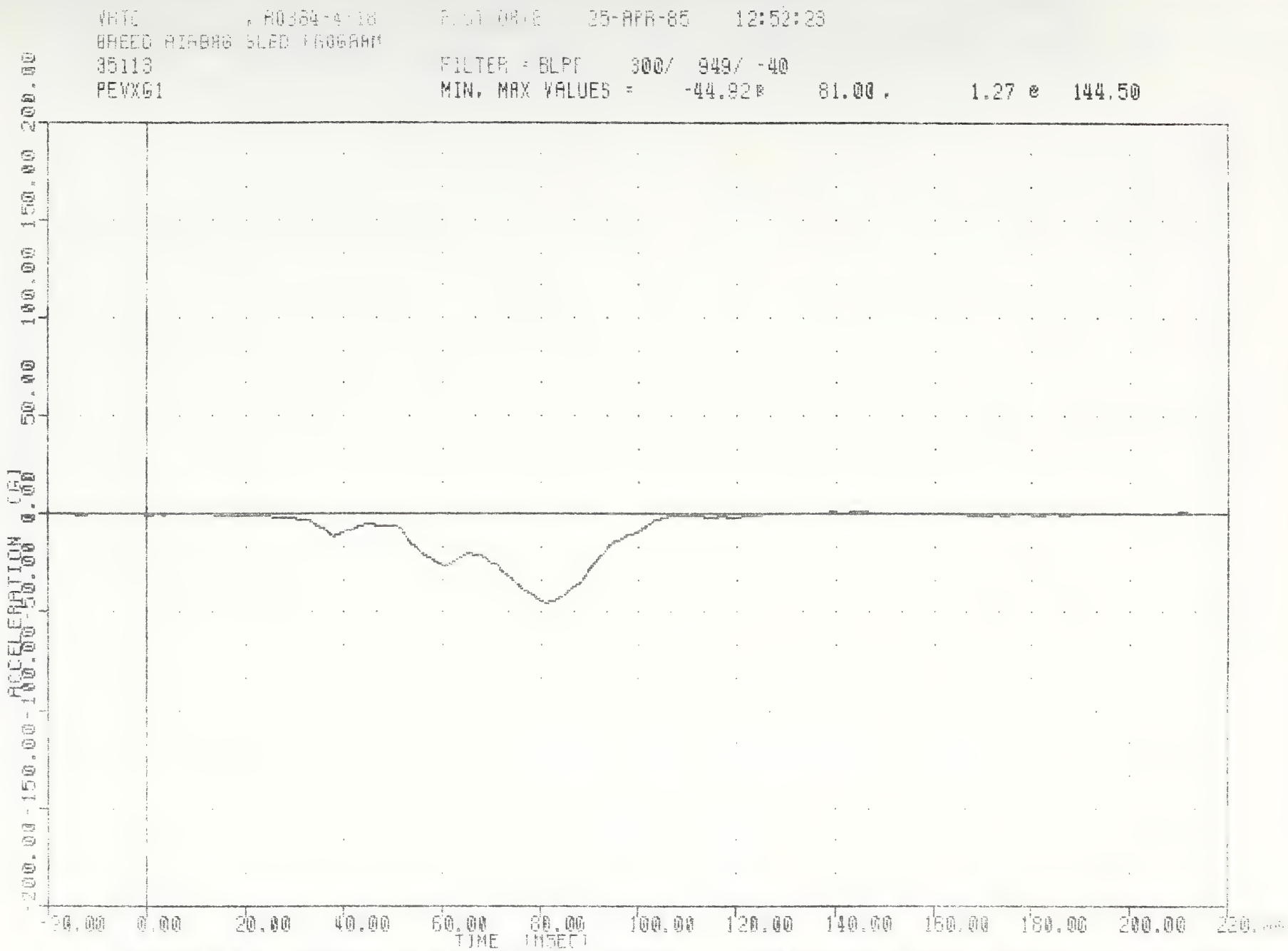


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION X AXIS

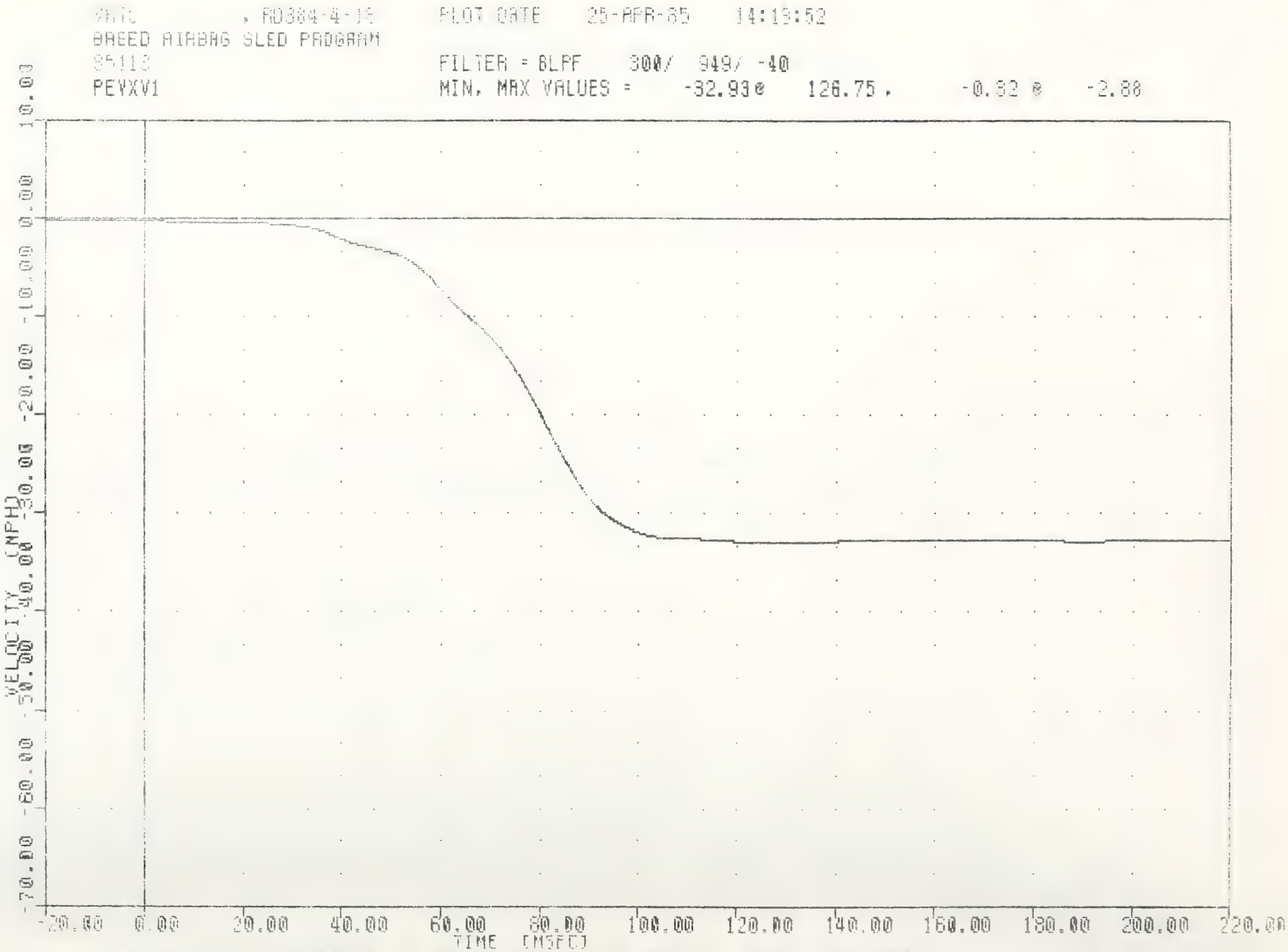
VRTY . R0684-4-12 PLOT DATE 25-APR-85 12:52:23
BREED AIRBAG SLED PROGRAM
85113 FILTER = BLPF 300/ 949/ -40
CSTZ61 MIN, MAX VALUES = -3.25 @ 52.38 , 4.27 @ 64.38



CHEVROLET (MPH) SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
CURVE - ACCELERATION Z AXIS

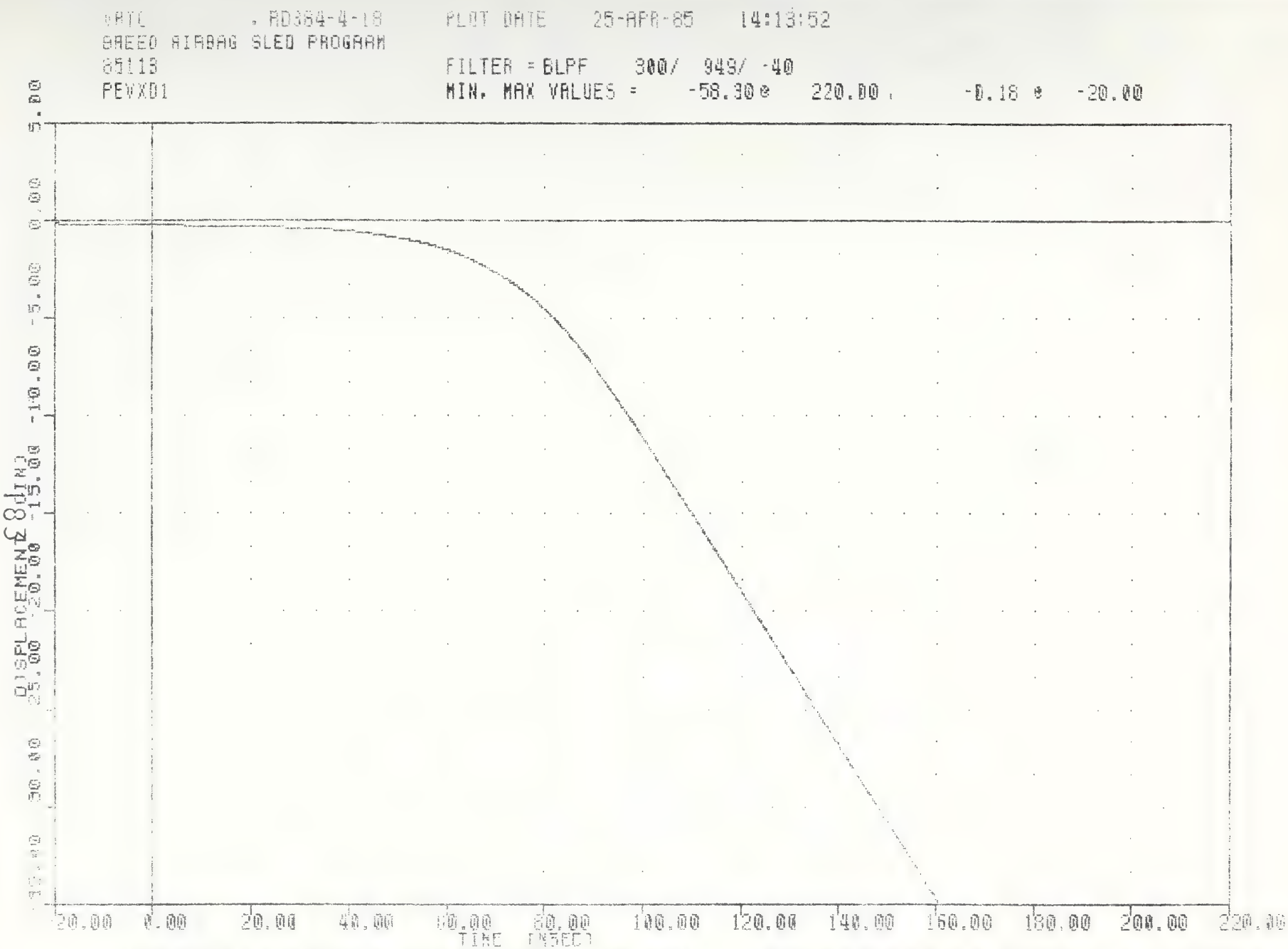


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
UPPER SPINE ACCELERATION - X-AXIS

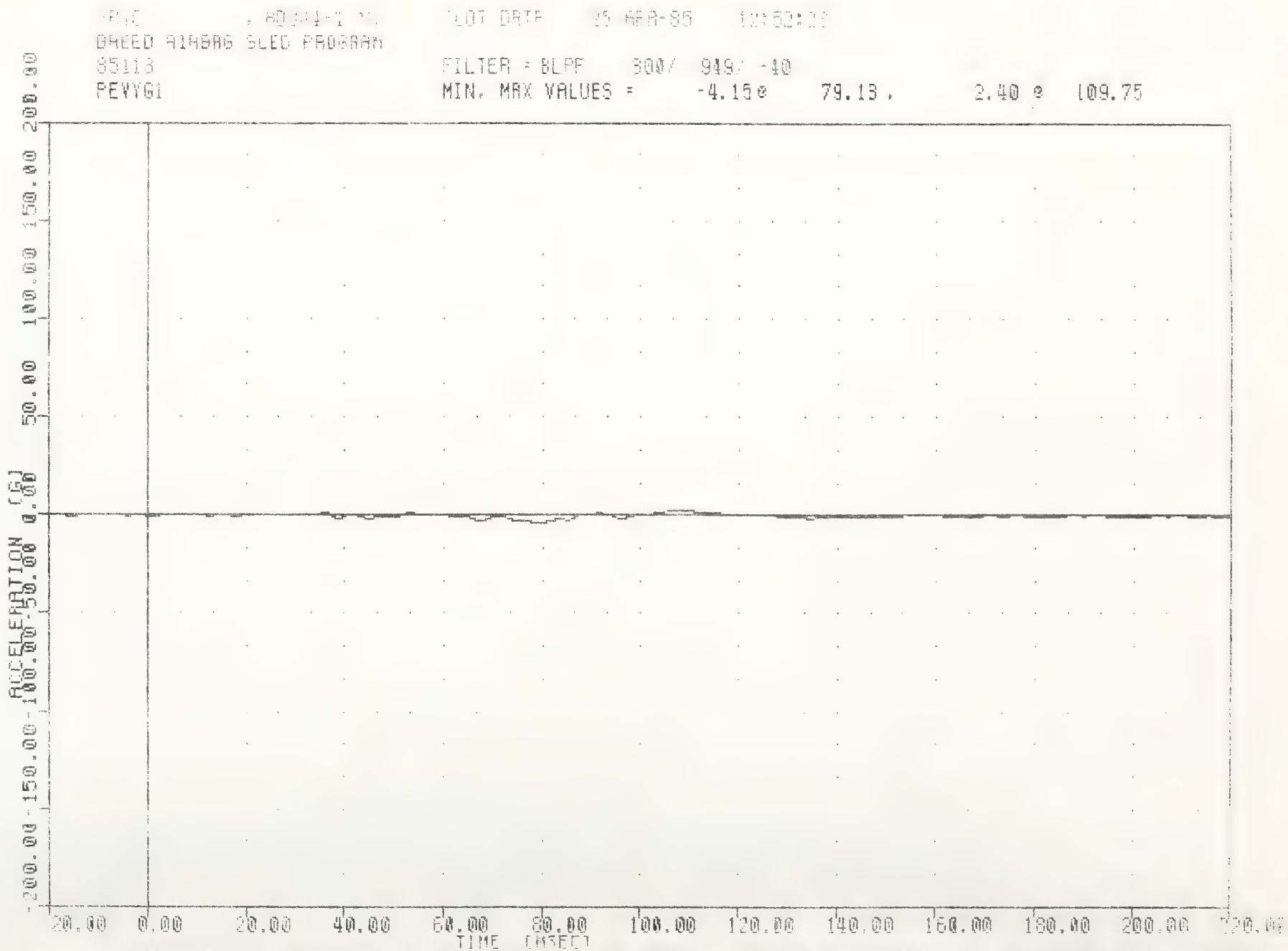


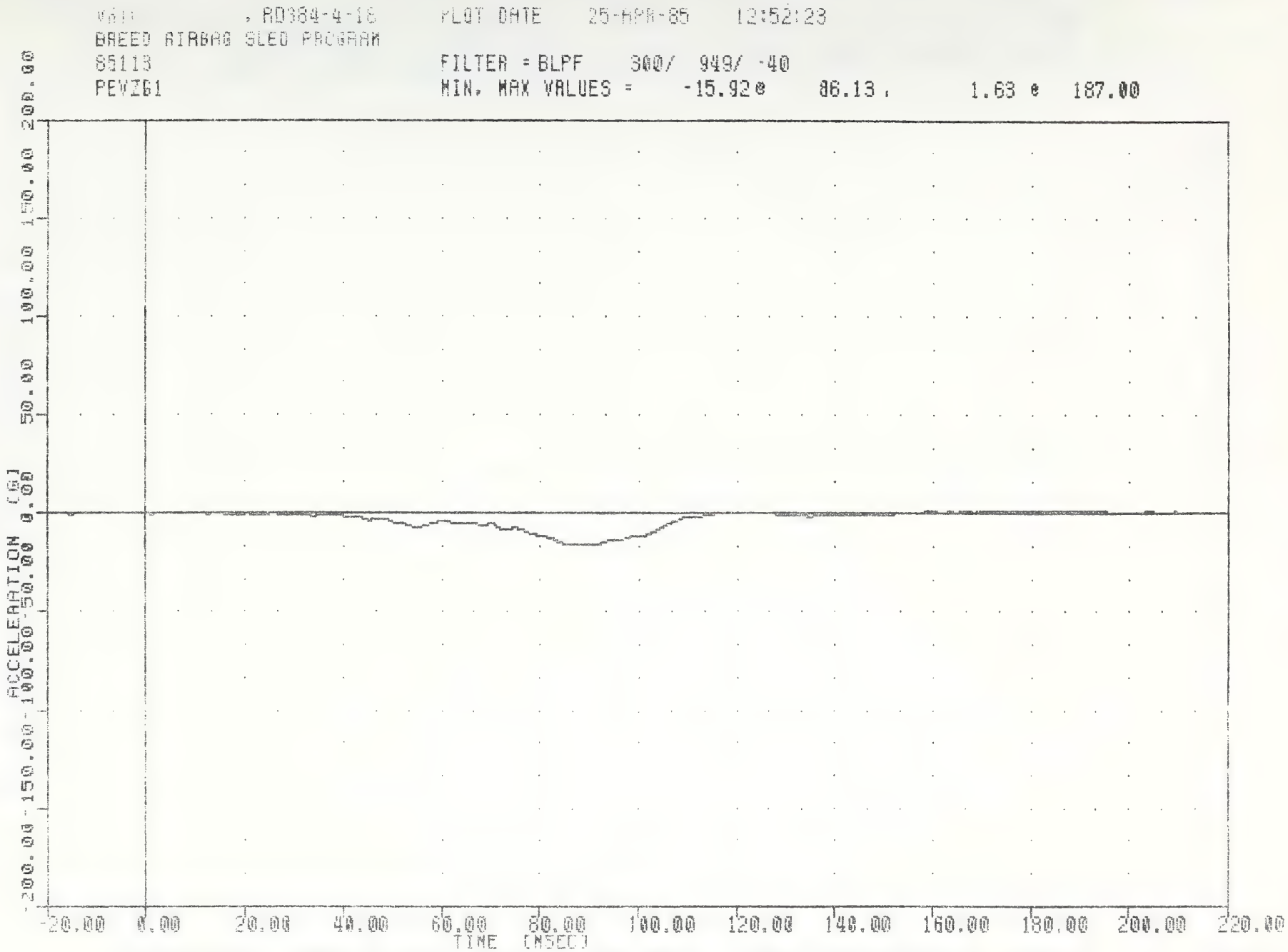
CHEVROLET IMPALA SLED TEST 30 MPH - 90TH PERCENTILE HYBRID III DUMMY

182

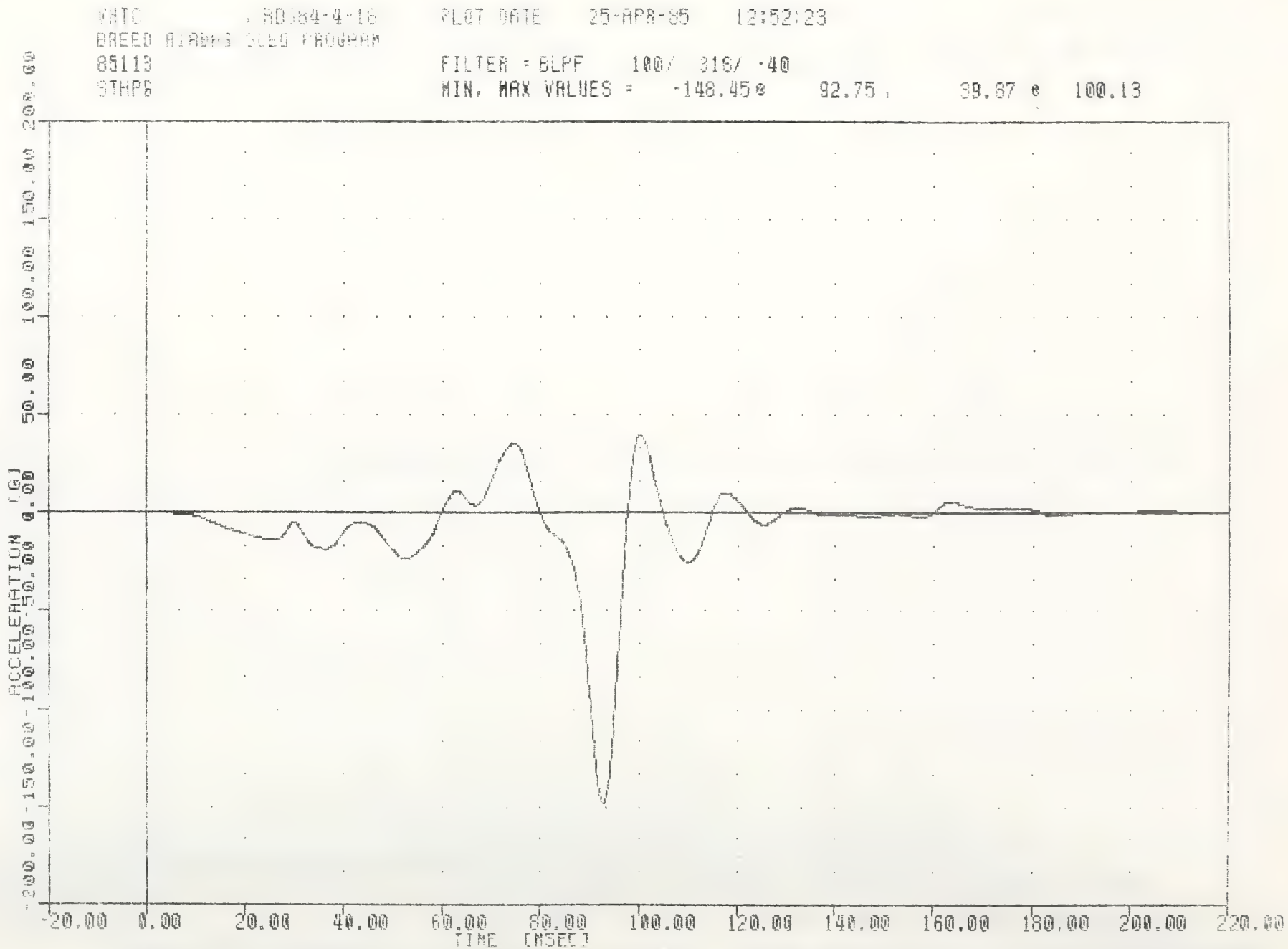


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
(CH. 1 USING PEWXD1)


PLOT DATE 25-APR-85
GREED AIRBAG SLED PROGRAM
85113
PEYYG1
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -4.15@ 79.13 , 2.40 @ 109.75
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME [MSEC]

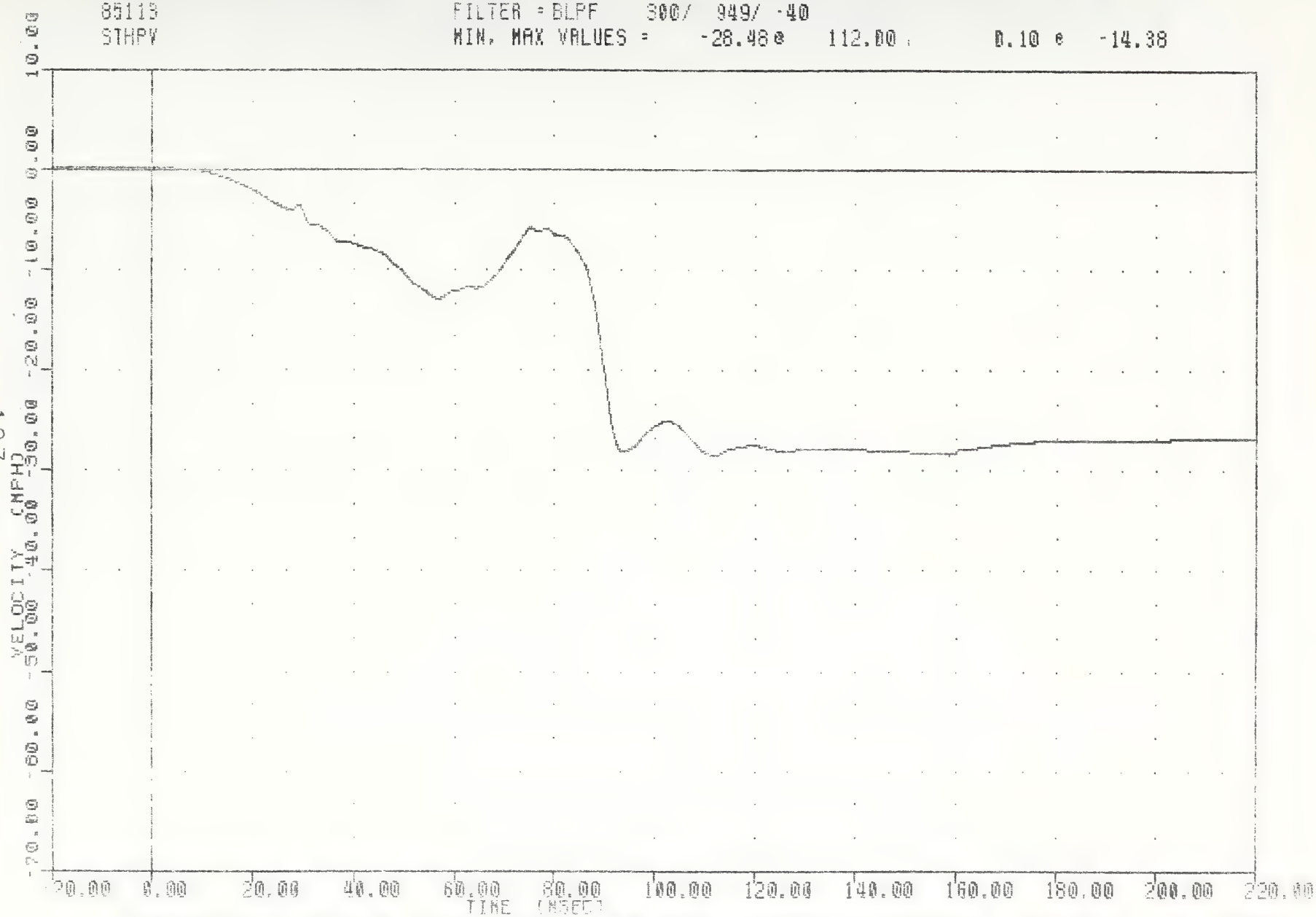


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
LOWER PELVIS ACCELERATION Z AXIS

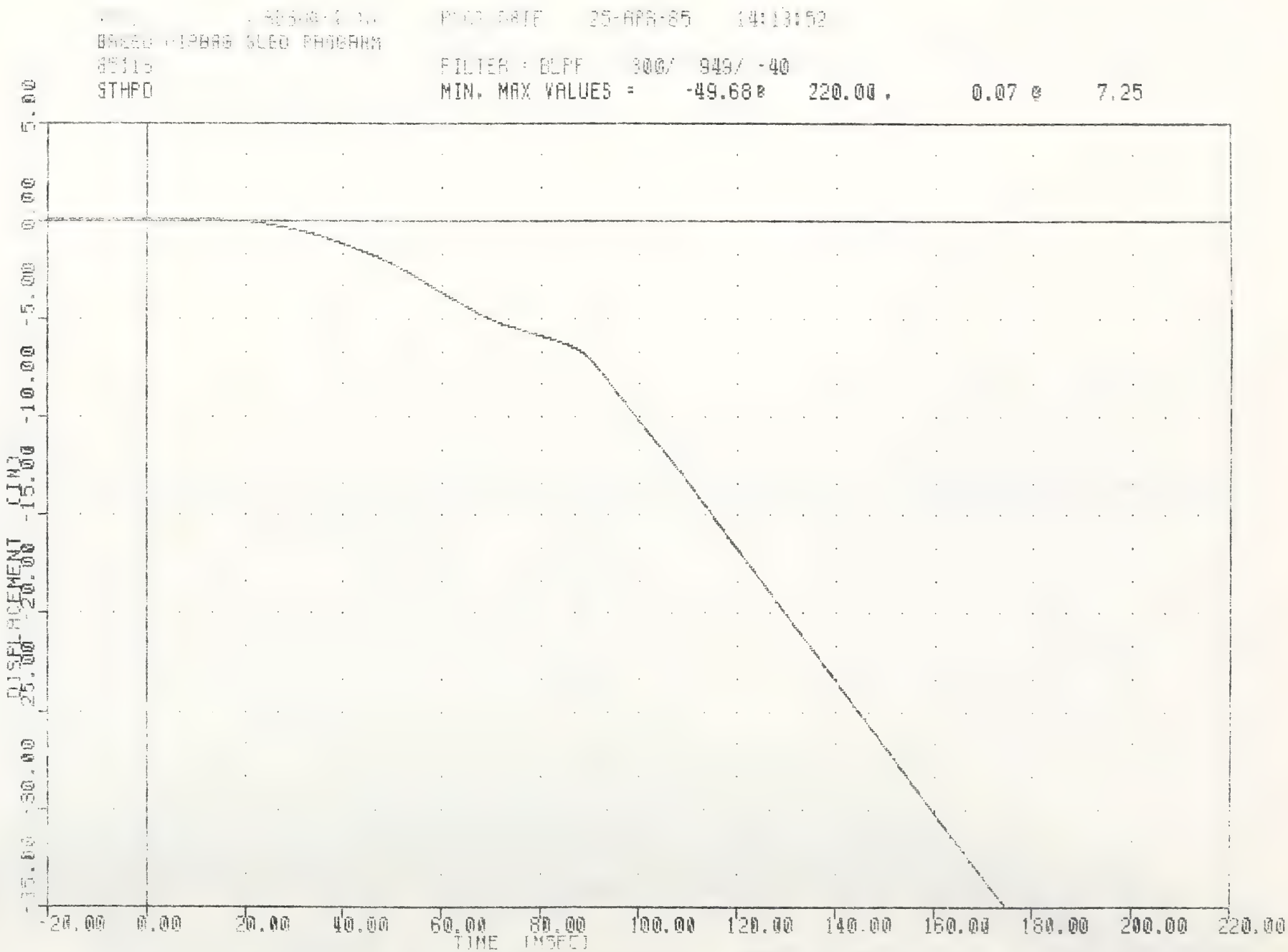


CHEVROLET (MPR) A SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
[illegible] HUMAN HIP ACCELERATION X-P AXIS

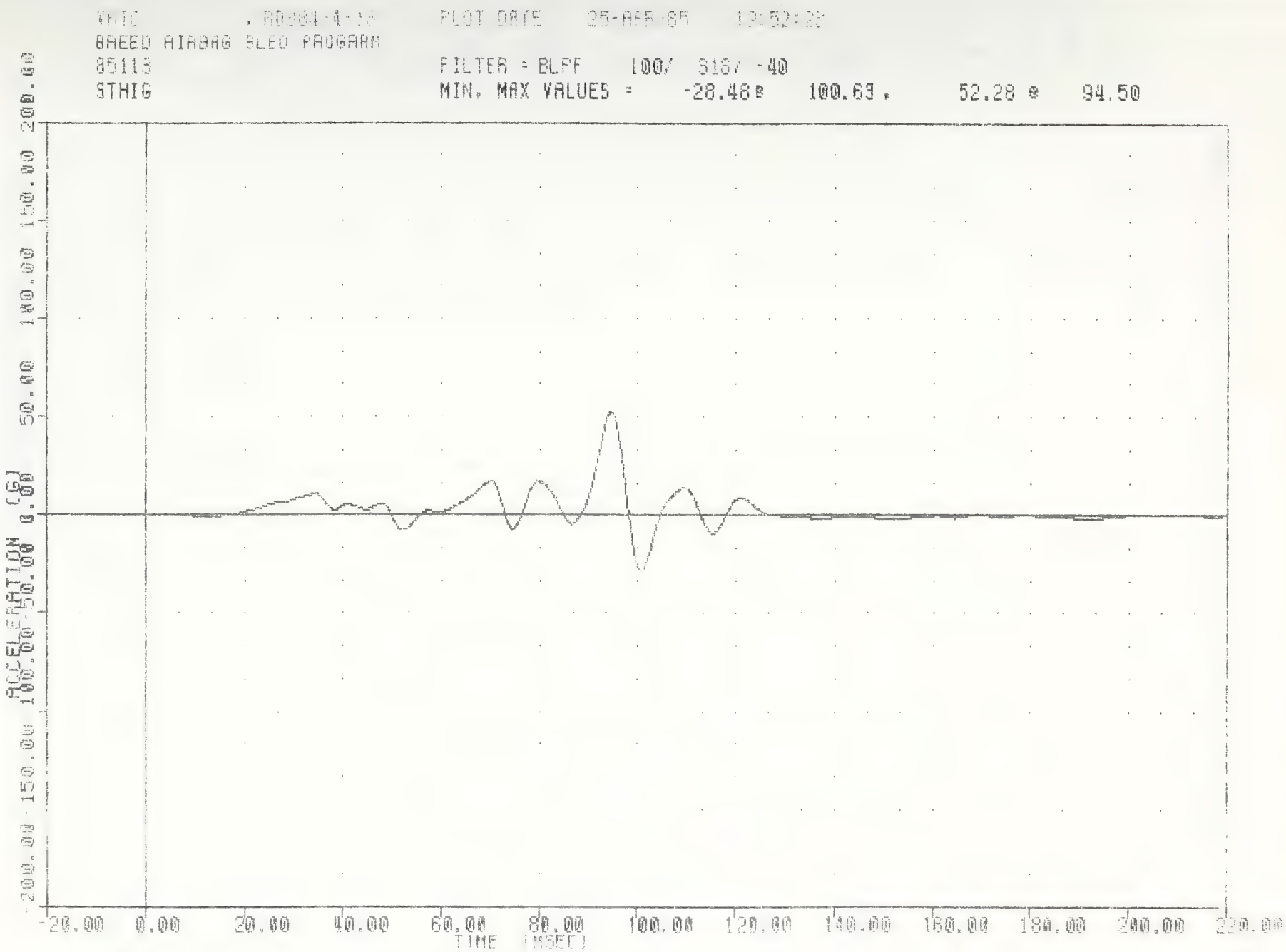
WATC - RD384-4-18 PLOT DATE 25-APR-85 14:13:52
BREED AIRBAG SLED PROGRAM
85113 FILTER = BLPF 300/ 949/ -40
STHPV MIN, MAX VALUES = -28.48@ 112.00 0.10 @ -14.38



CHEVROLET IMPALA SLED TEST 30 MPH 50TH PERCENTILE HYBRID III DUMMY
DR. A x SWING STHPV



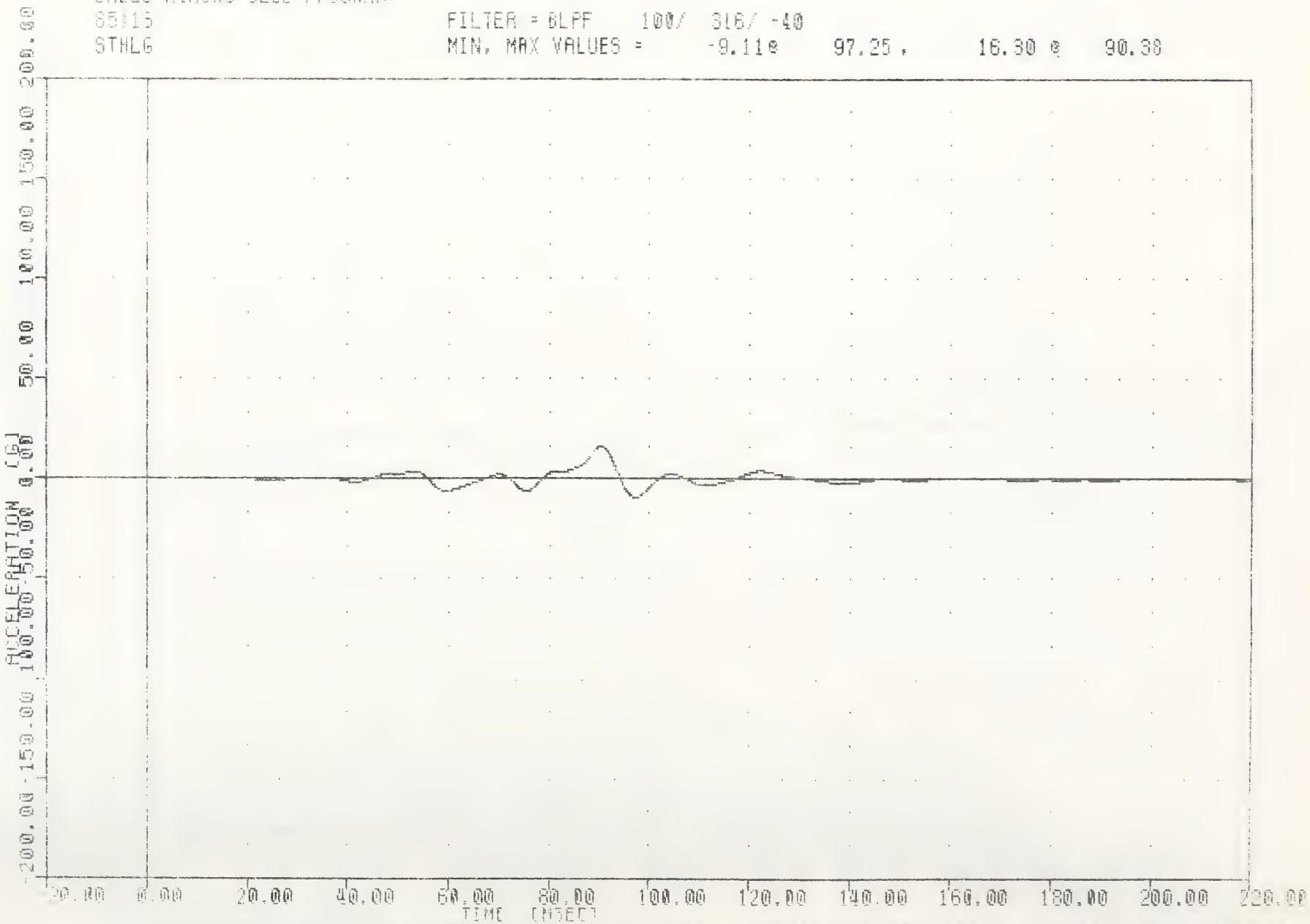
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

[illegible] 25-APR-85 12:52:13
SAEED AIRBAG SLED PROGRAM
85015
STHLG

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -9.11@ 97.25 , 16.30 @ 90.38



[illegible] IMPACT TEST TYPE : 30 MPH 50TH PERCENTILE HYBRID III DUMMY
[illegible] ACCELERATION [illegible] AXIS

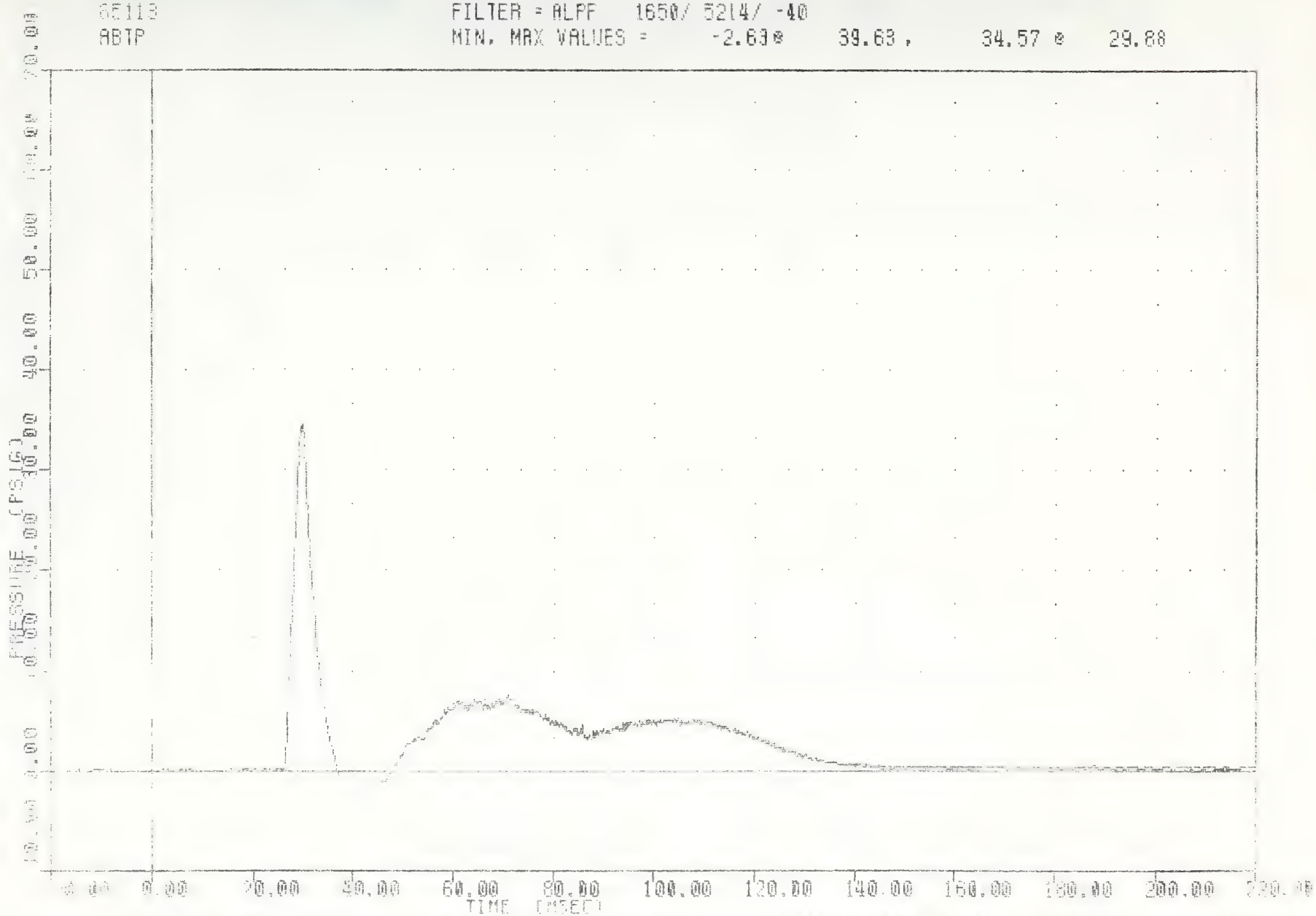
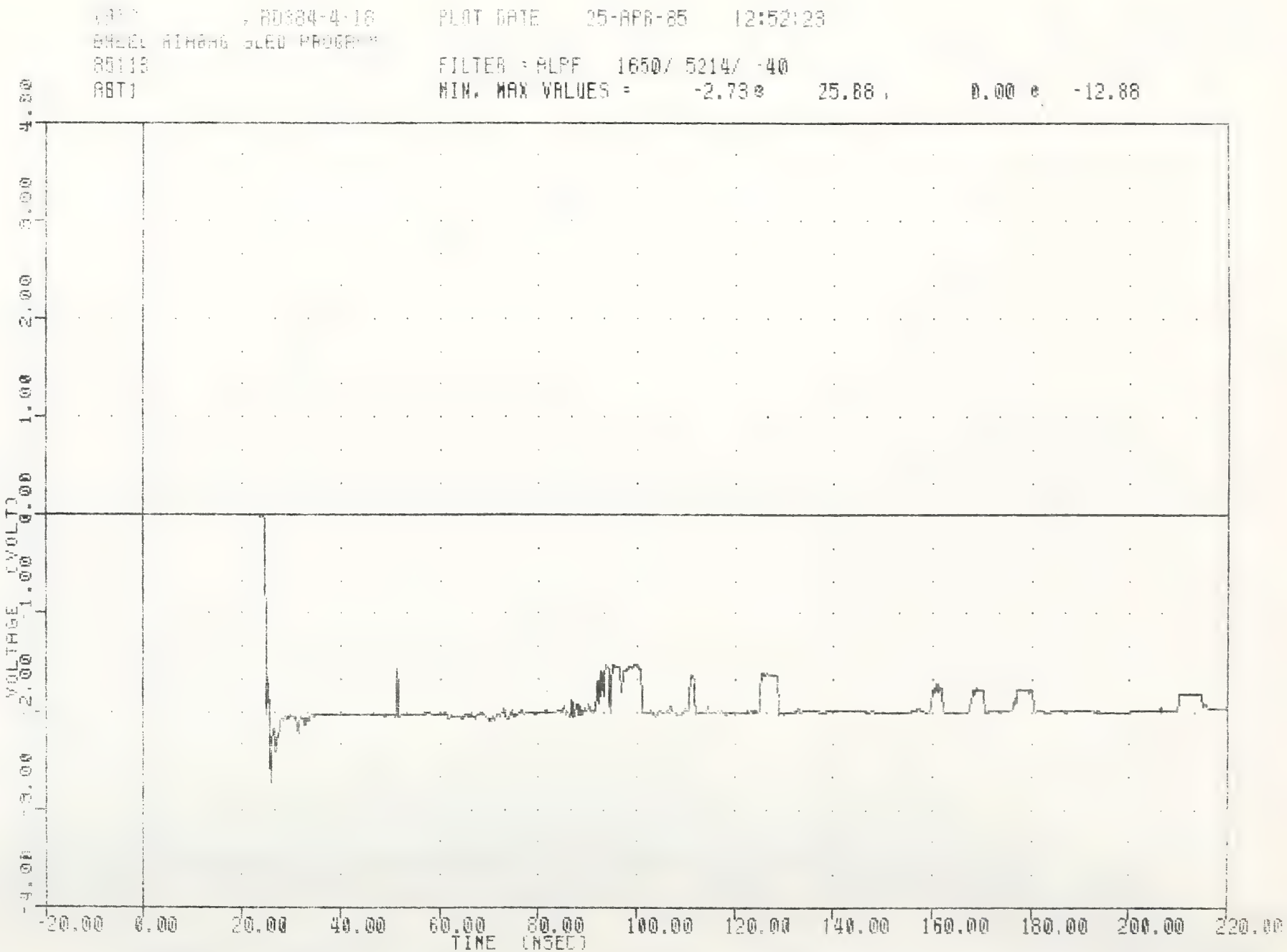
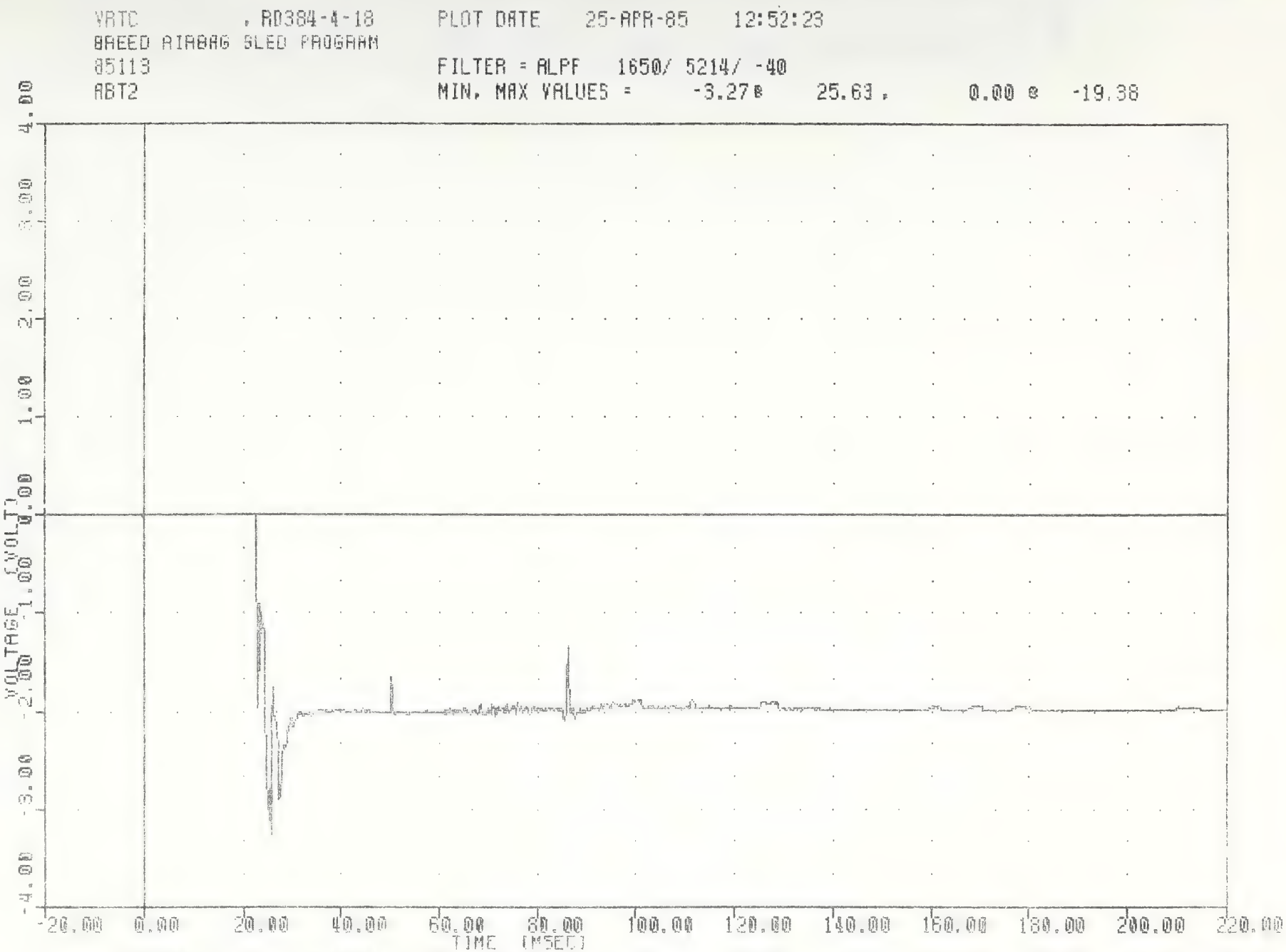


FIGURE [illegible] SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

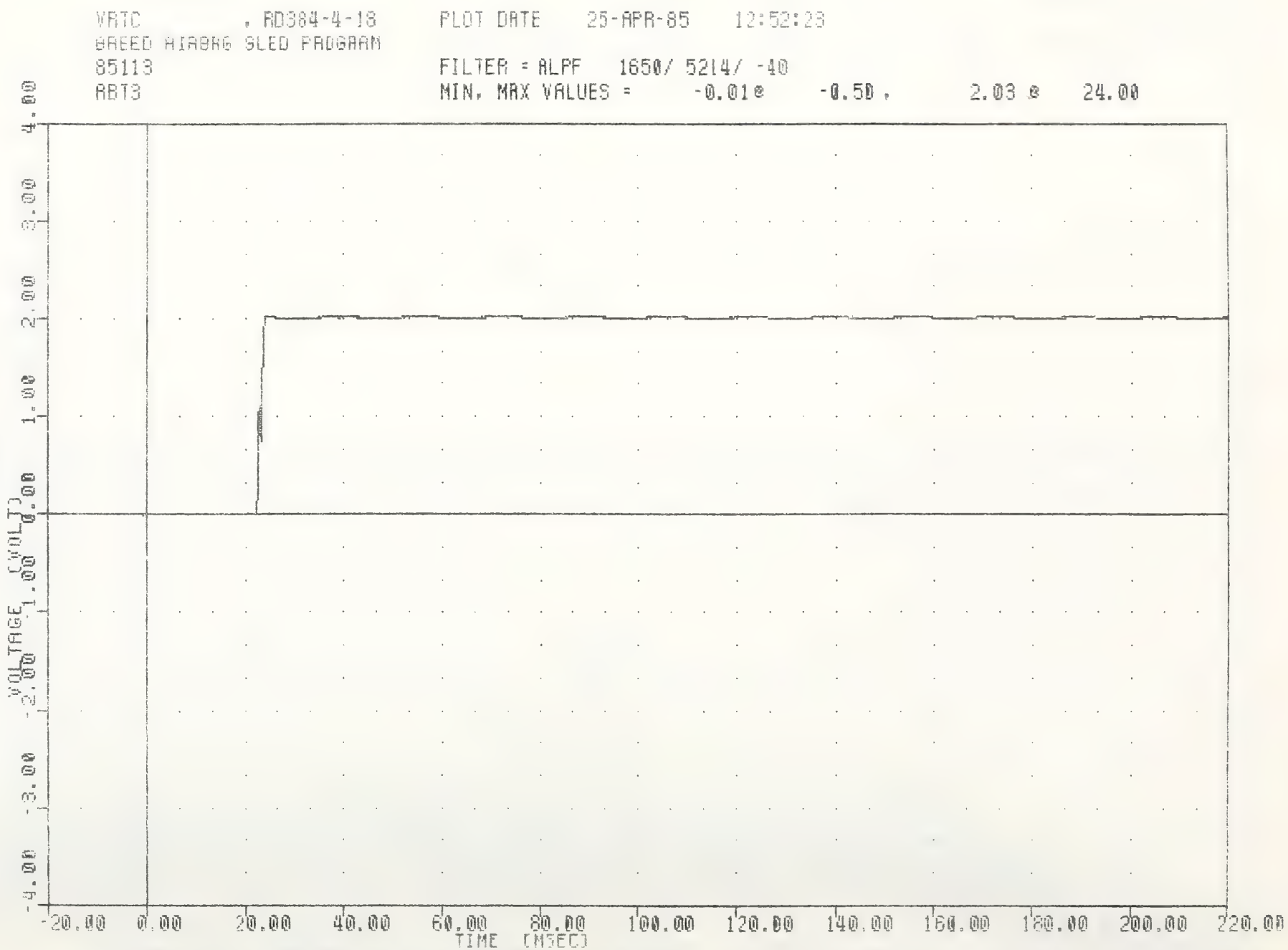


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

SENSOR BURNWIRE 1

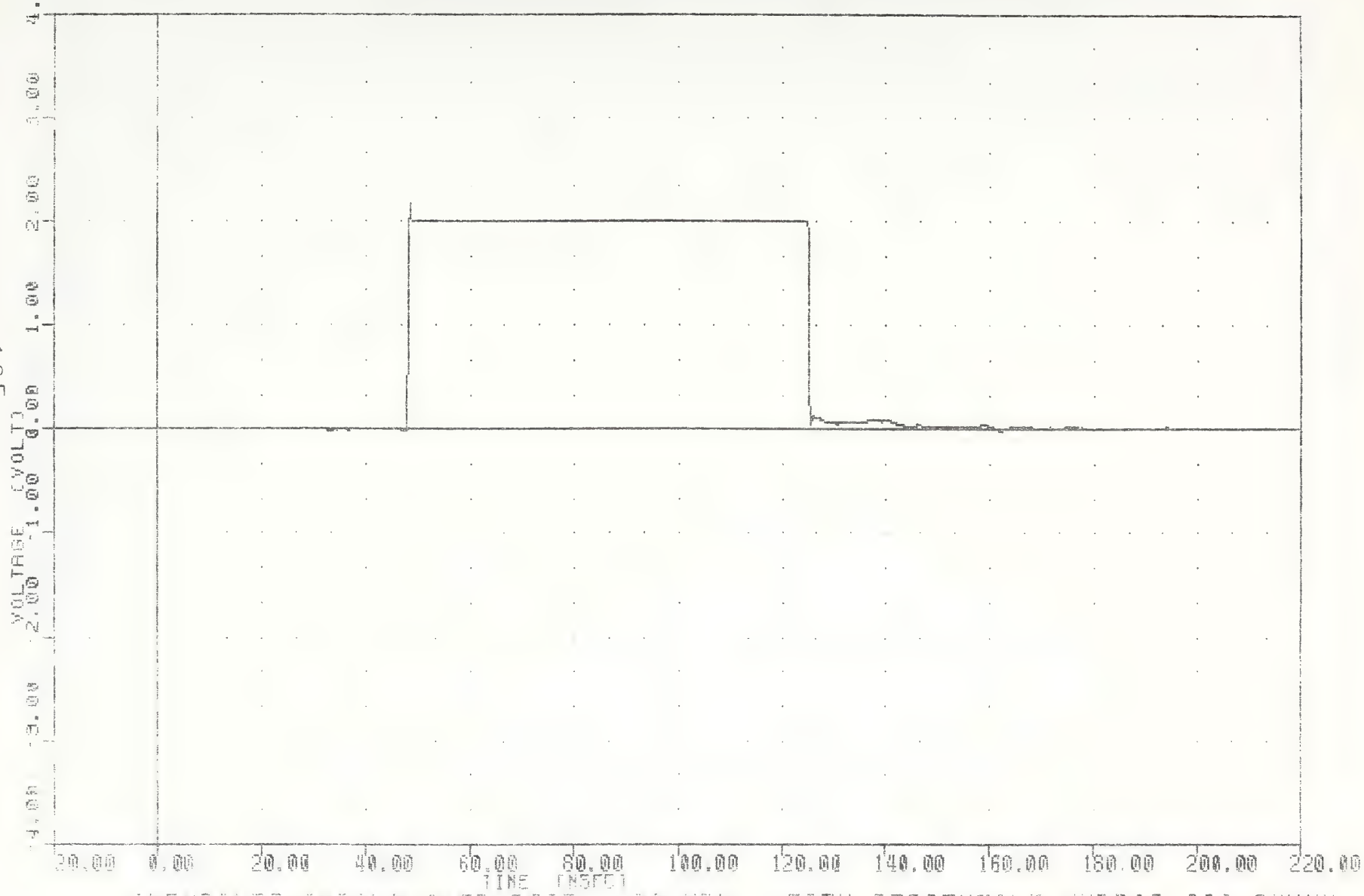


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SENSOR BURNWIRE 2

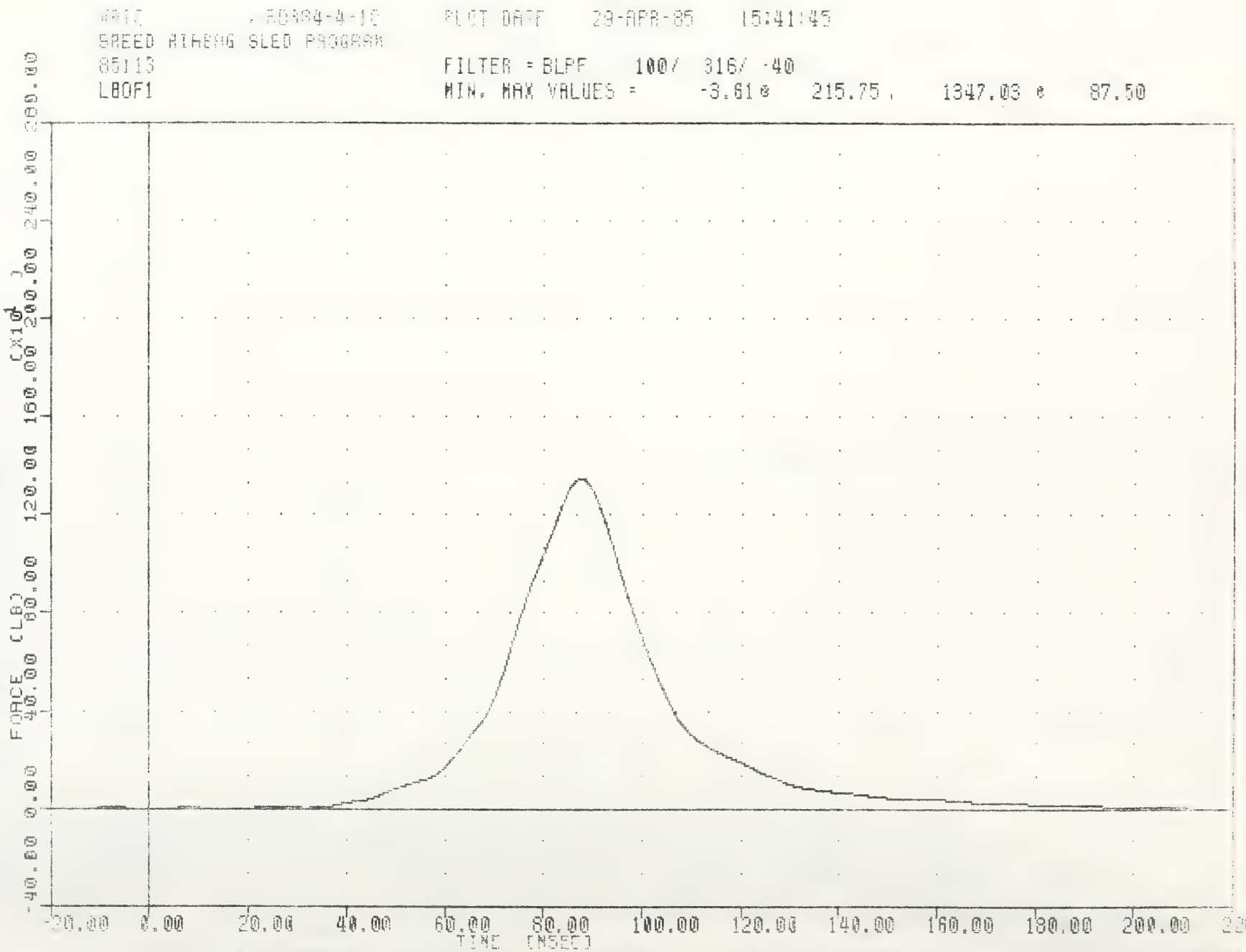


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
BREED B-PILLAR SENSOR

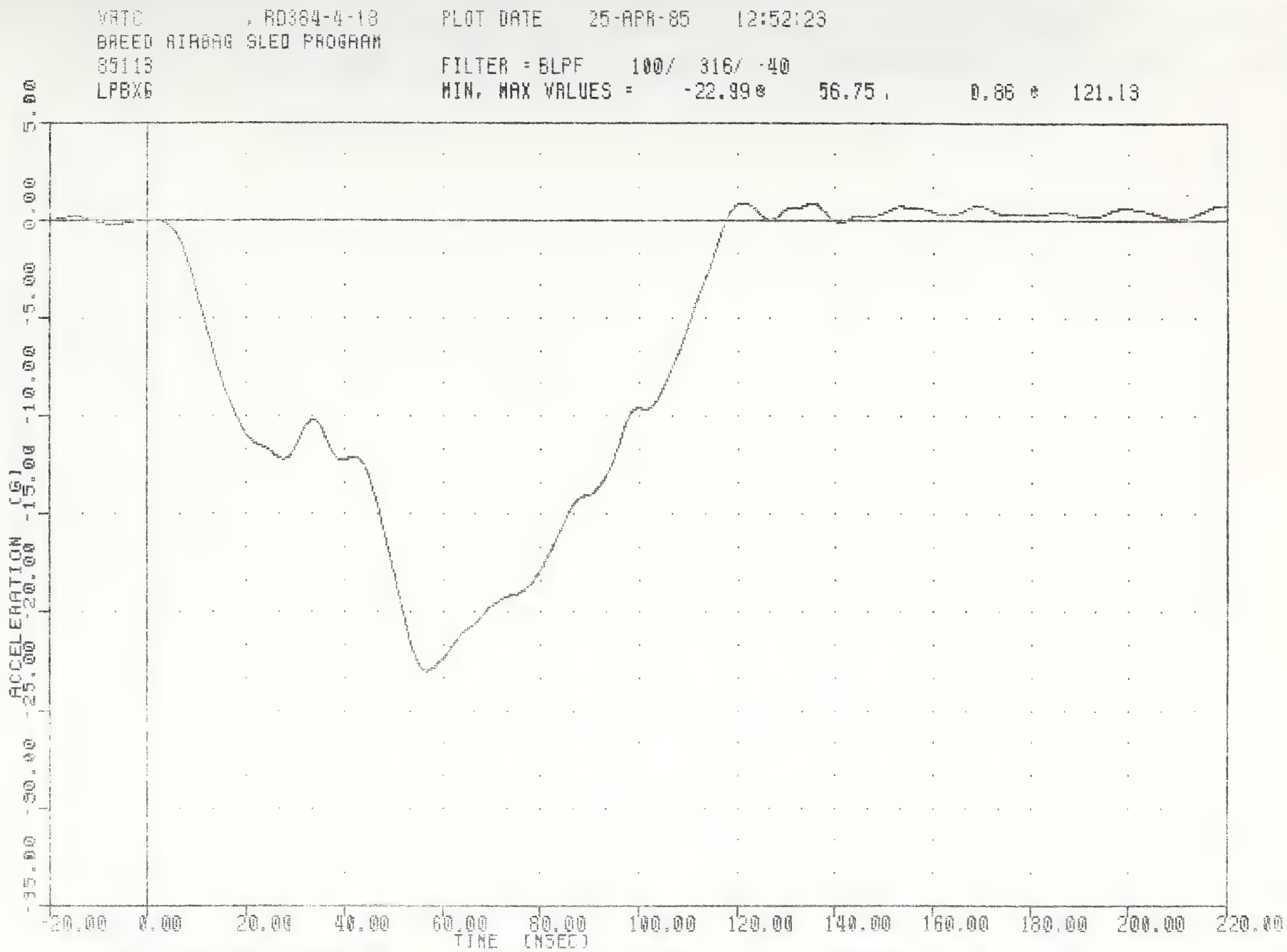
VATC , RD384-4-18 PLOT DATE 25-APR-85 12:52:23
BREED AIRBAG SLED PROGRAM
85113 FILTER = ALPF 1650/ 5214/ -40
ABT4 MIN, MAX VALUES = -0.02 @ 47.25 , 2.16 @ 48.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
BARE CONTACT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SHOULDER LAP BELT FORCE (1)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION

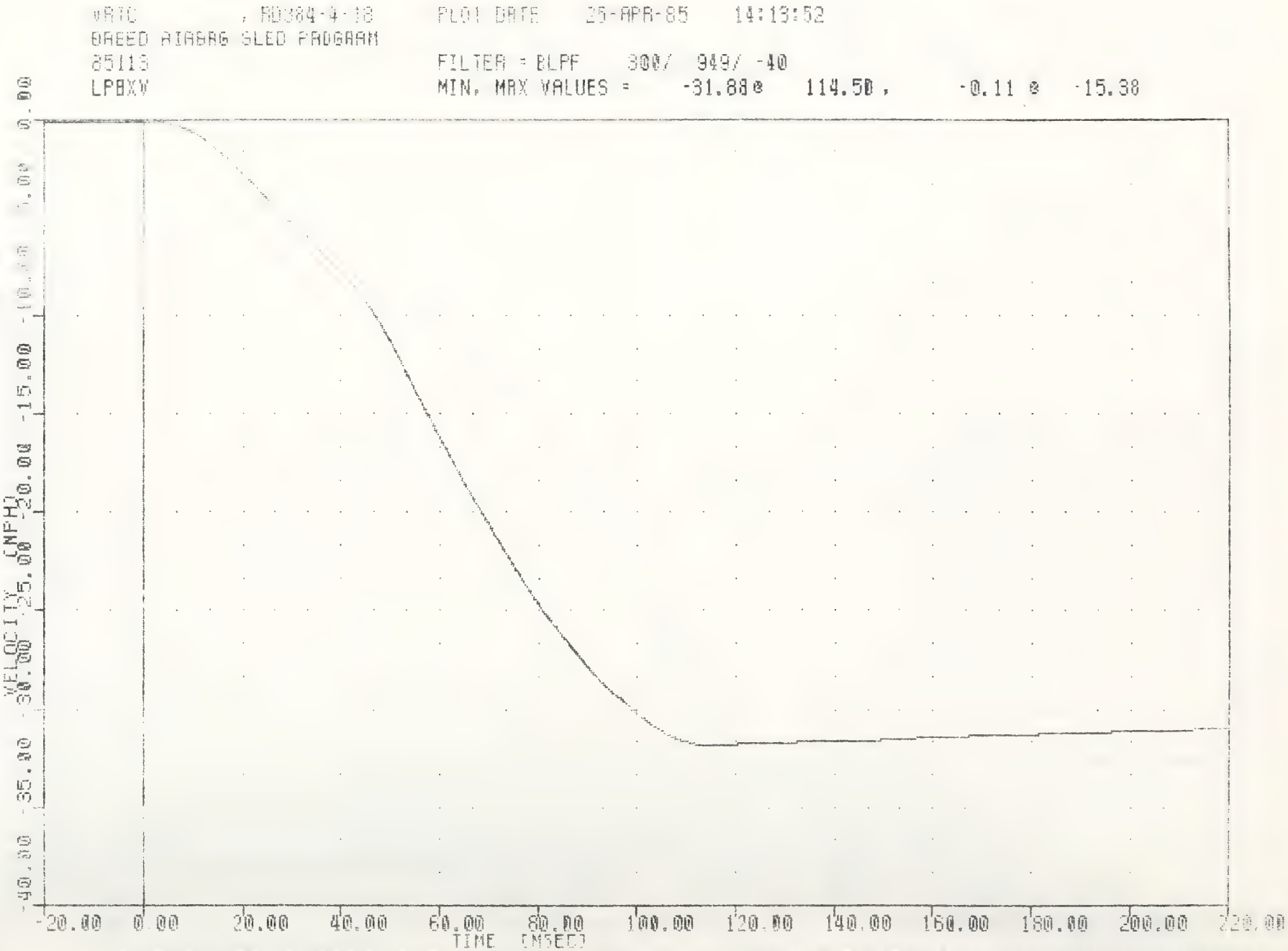
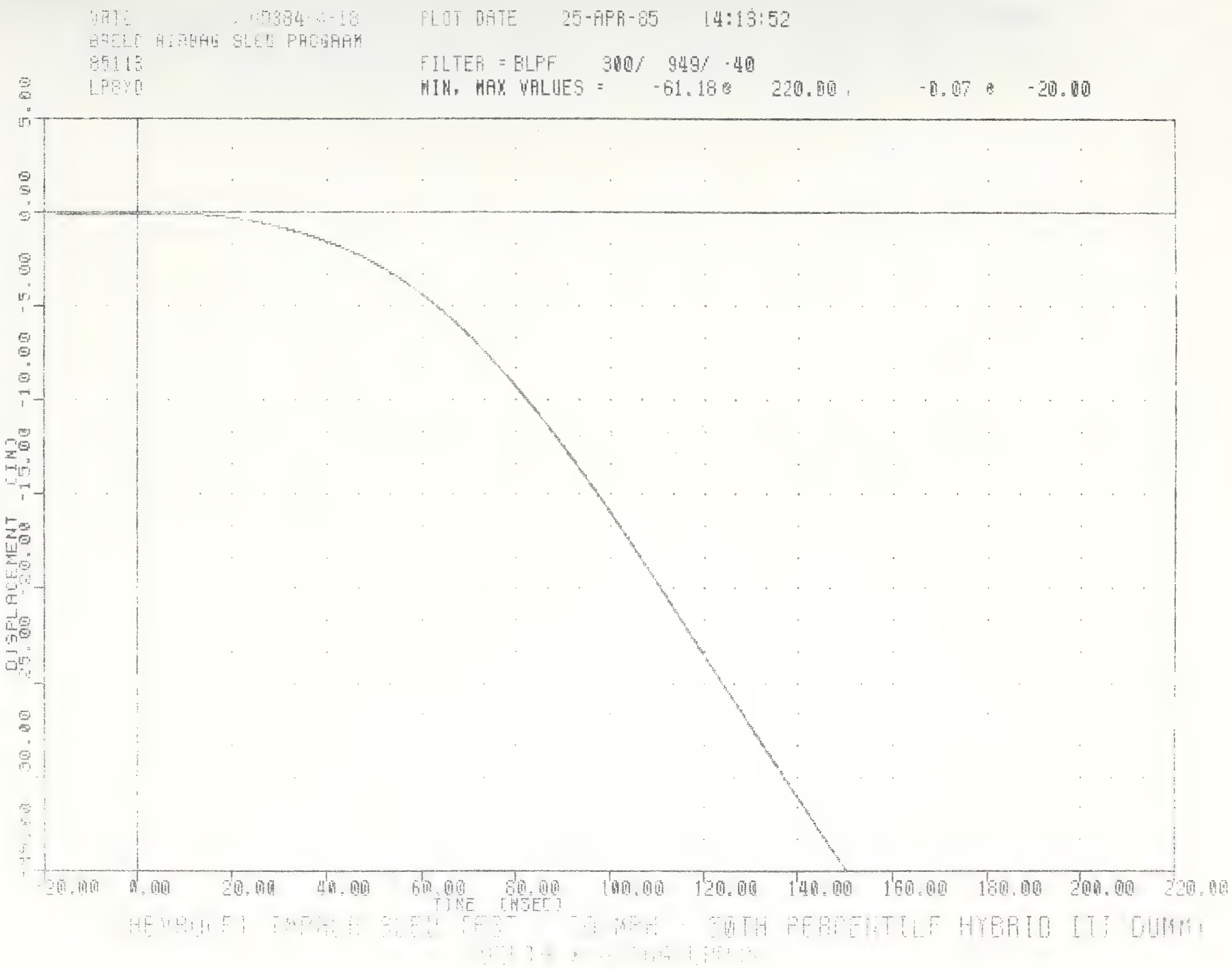
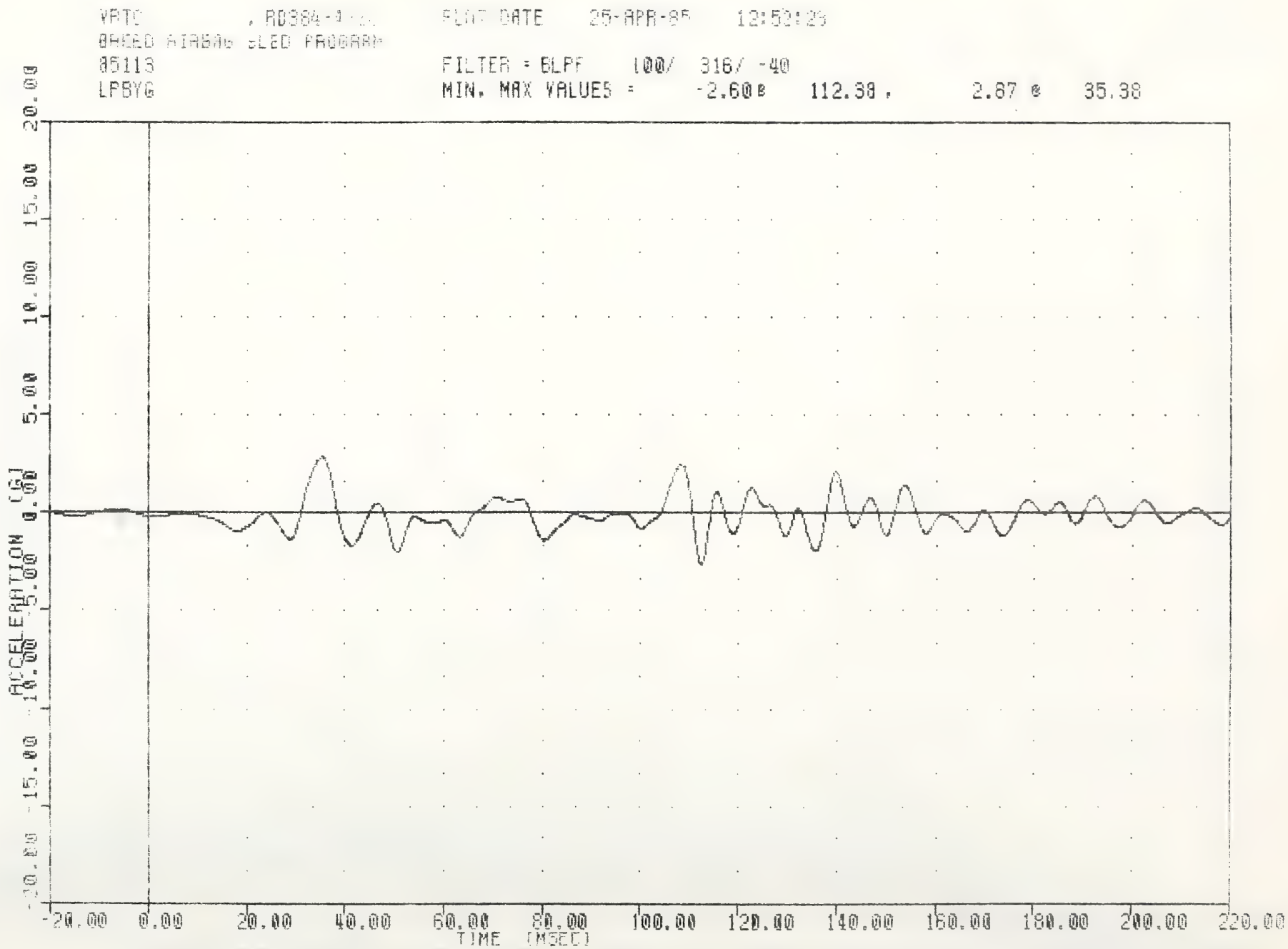


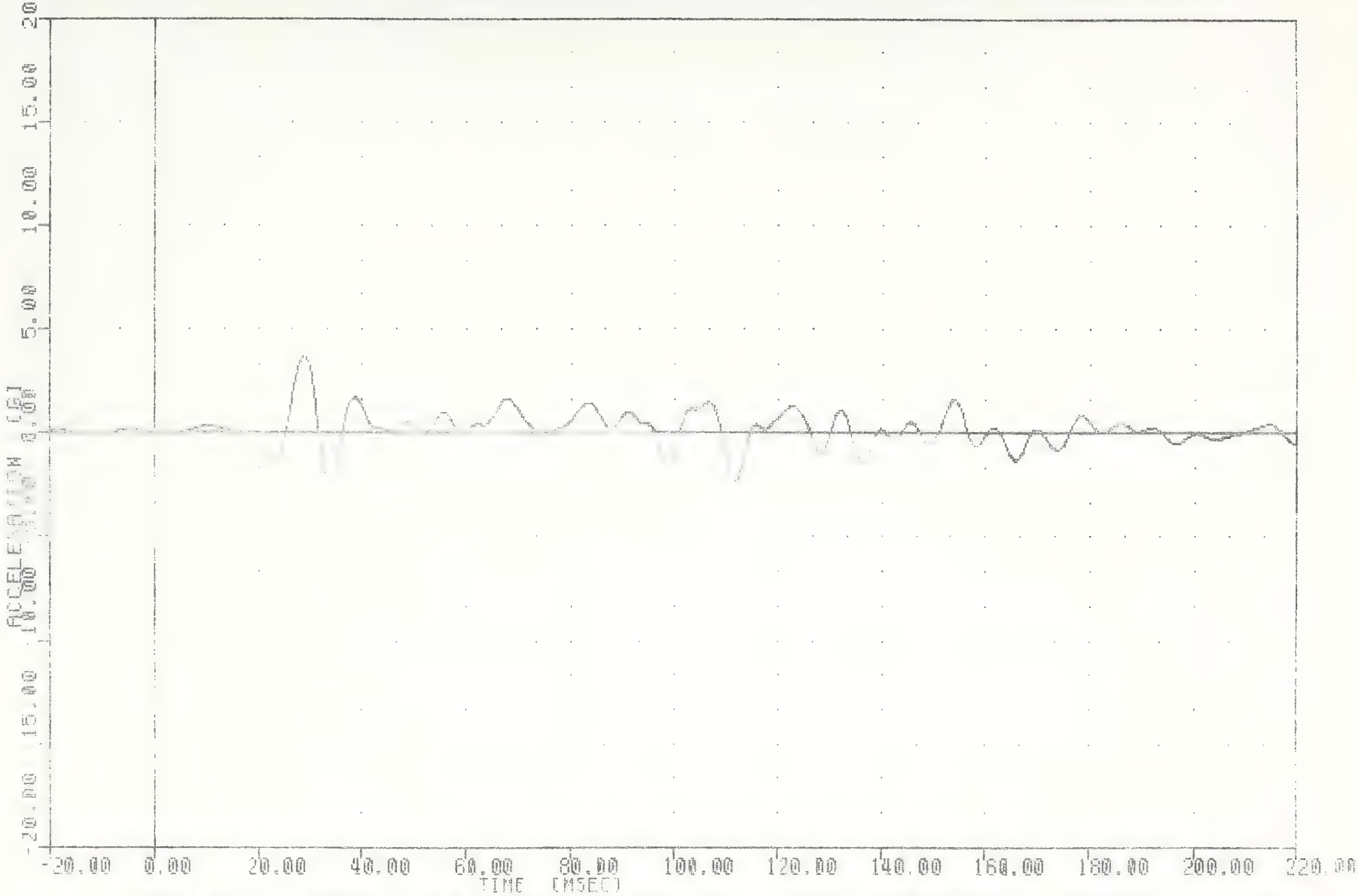
FIGURE 27 IMPACT SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
OF THE MALE LEFT


VRIC .40384-4-18
BRELC AIRBAG SLED PROGRAM
85113
LPBYD
PLOT DATE 25-APR-85 14:13:52
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -61.18 @ 220.00 , -0.07 @ -20.00
DISPLACEMENT (IN)
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME (MSEC)

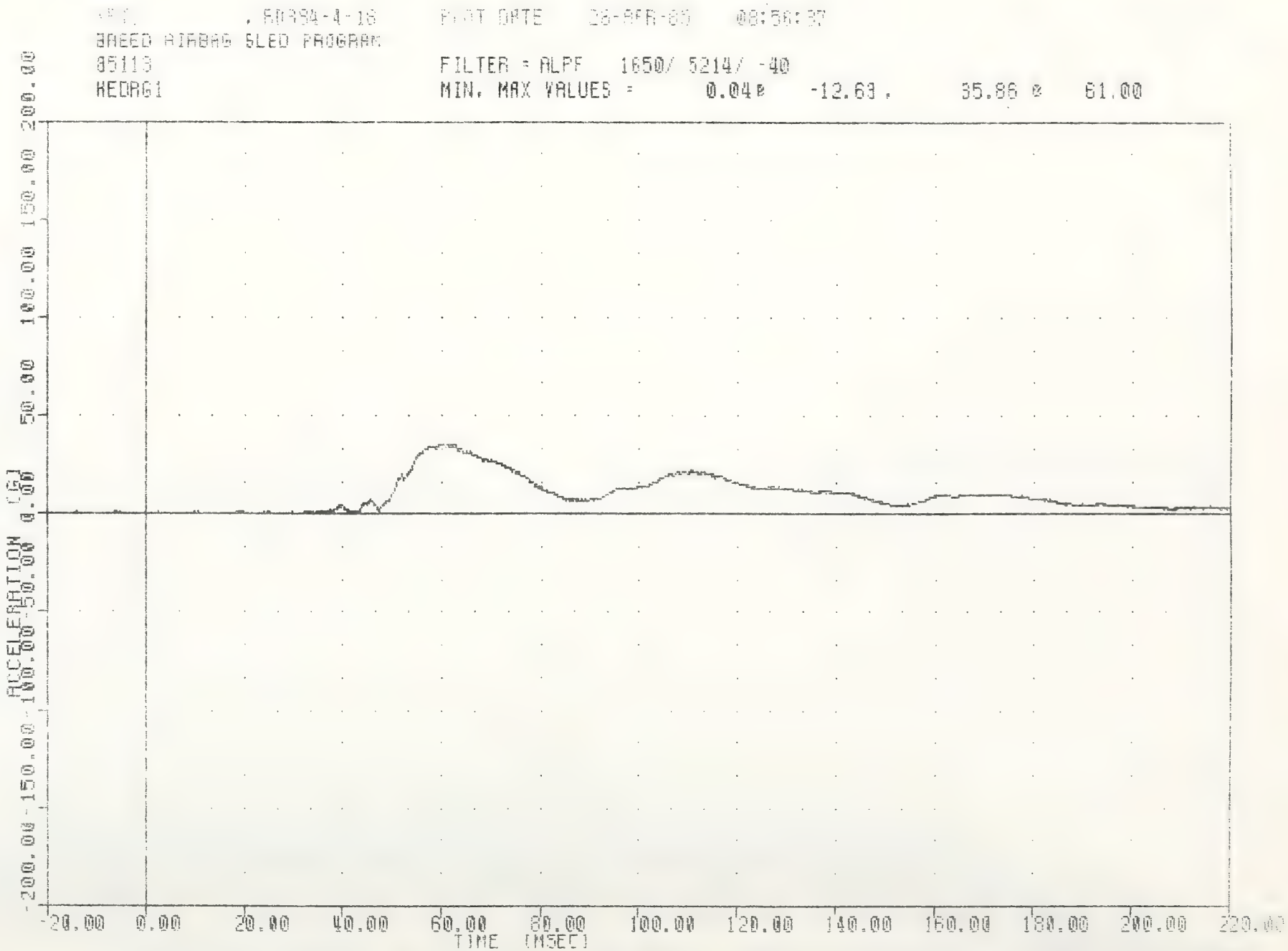


THE TOILET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
VEHICLE LINE 1 ACCELERATION Y AXIS

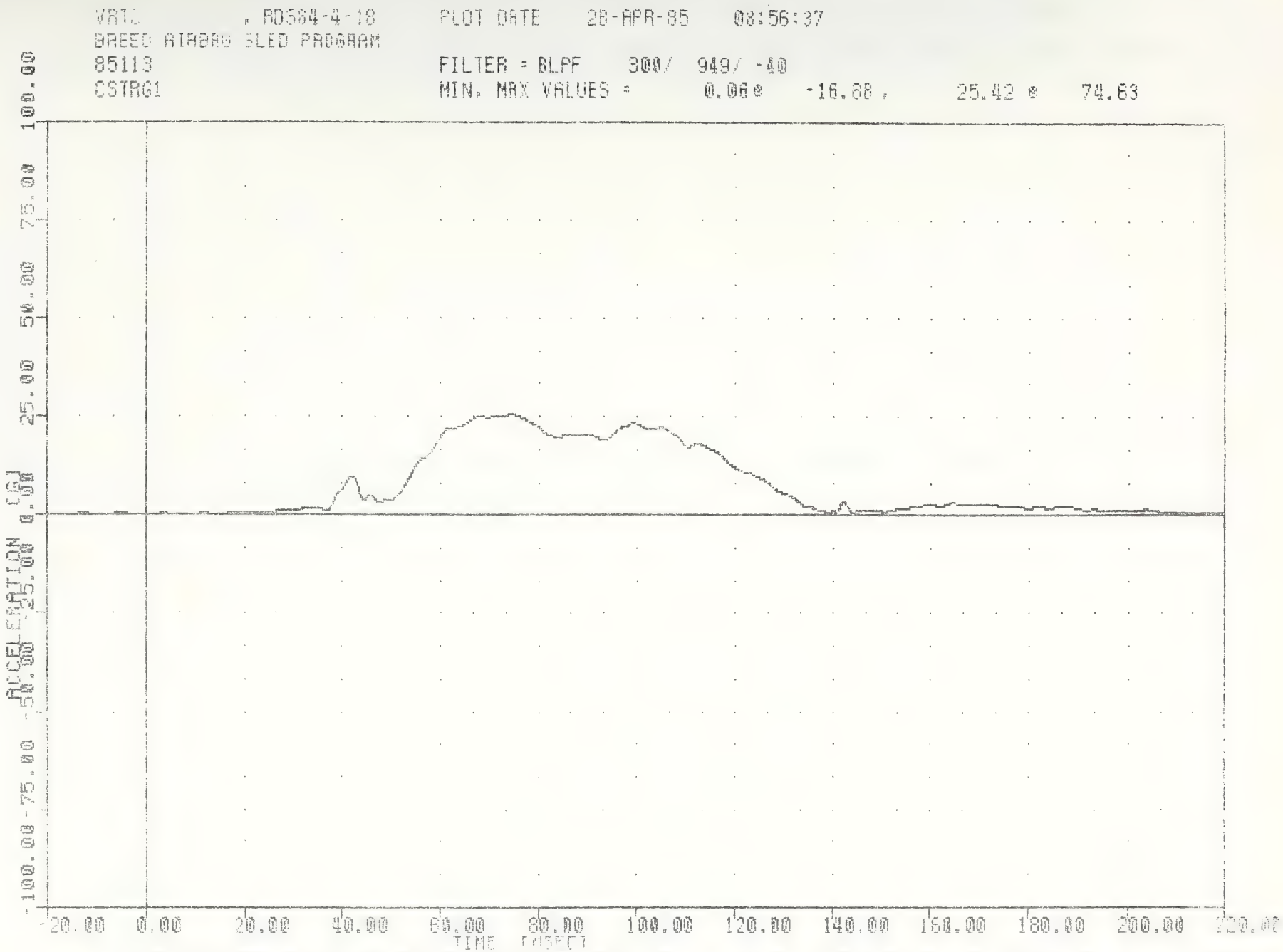
VRTC , RD384-4-18 PLOT DATE 25-APR-85 12:52:23
BREED AIRBAG SLED PROGRAM
85113 FILTER = BLPF 100/ 316/ -40
LPBZG MIN. MAX VALUES = -2.55@ 33.75 , 3.71 @ 28.88



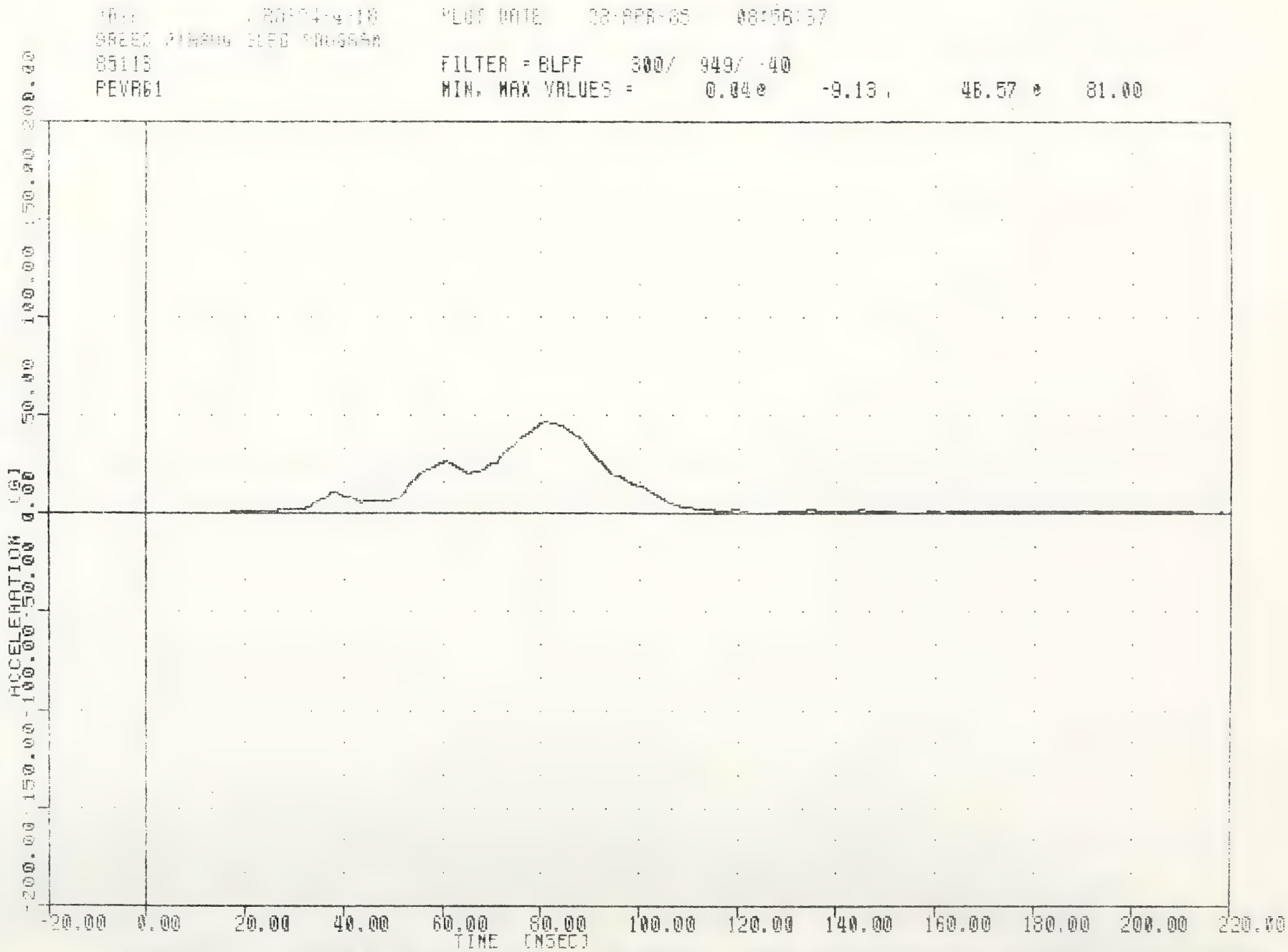
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
TIMER LEFT B ACCELERATION Z AXIS



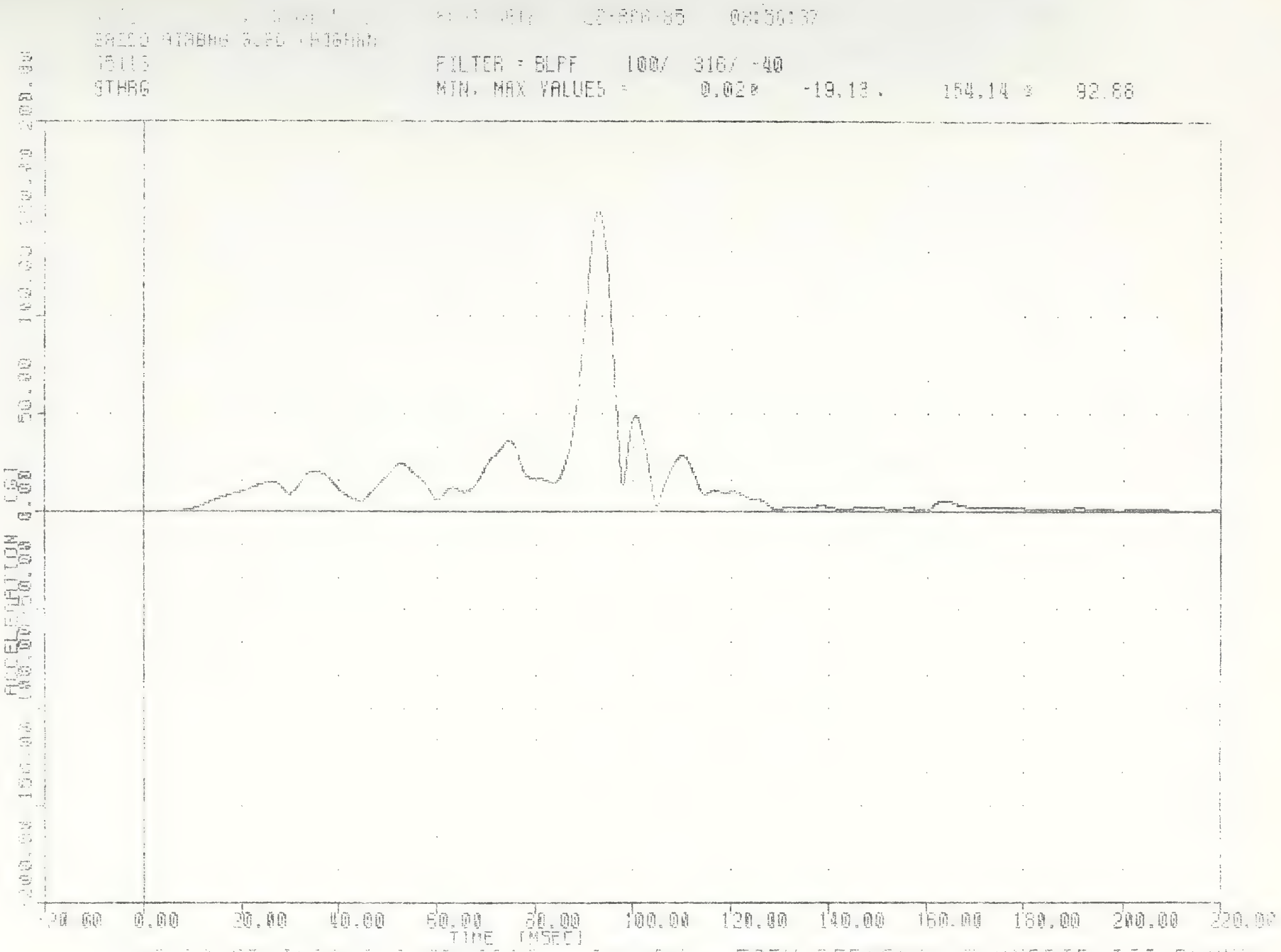
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD RESULTANT

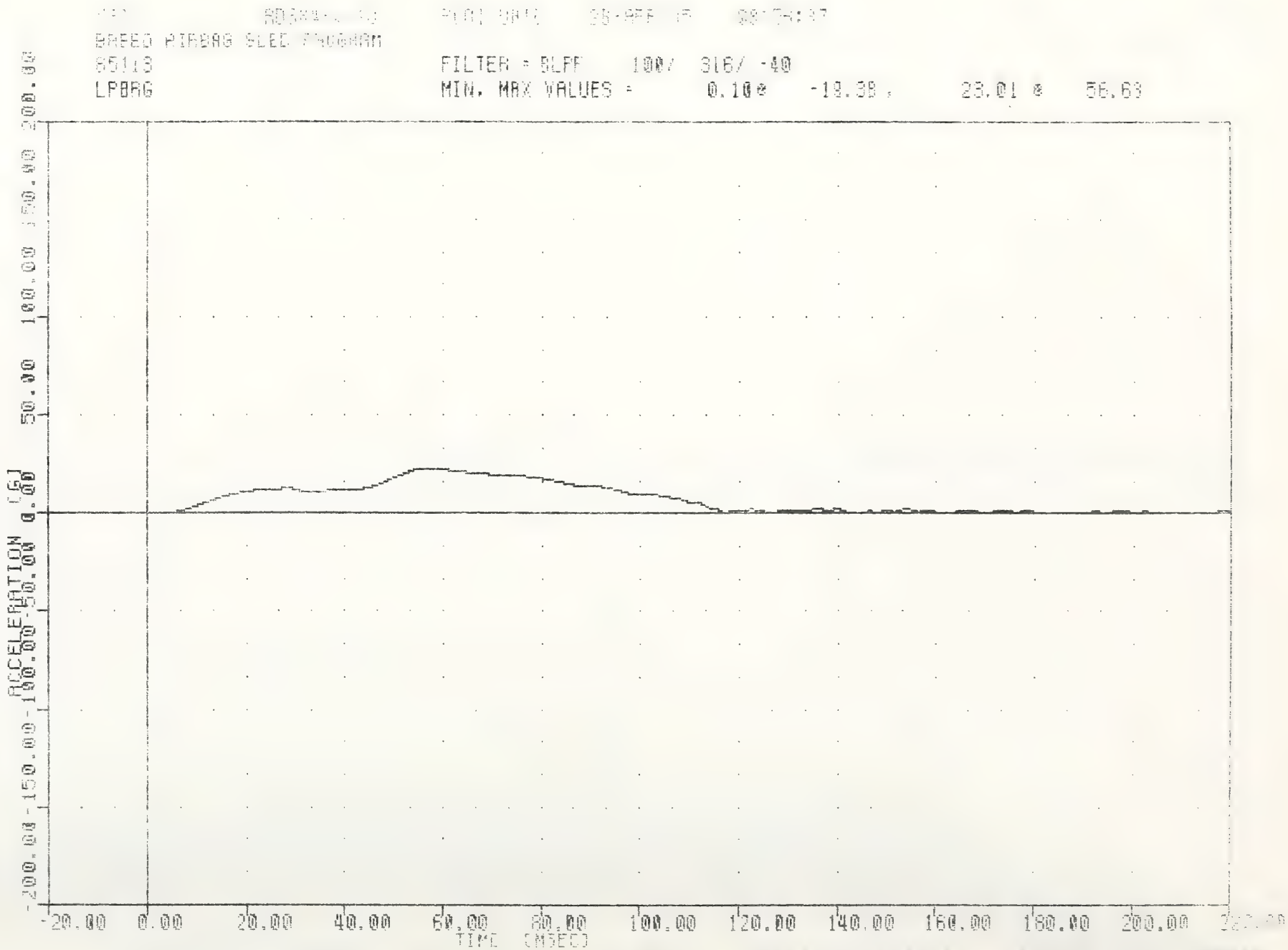


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

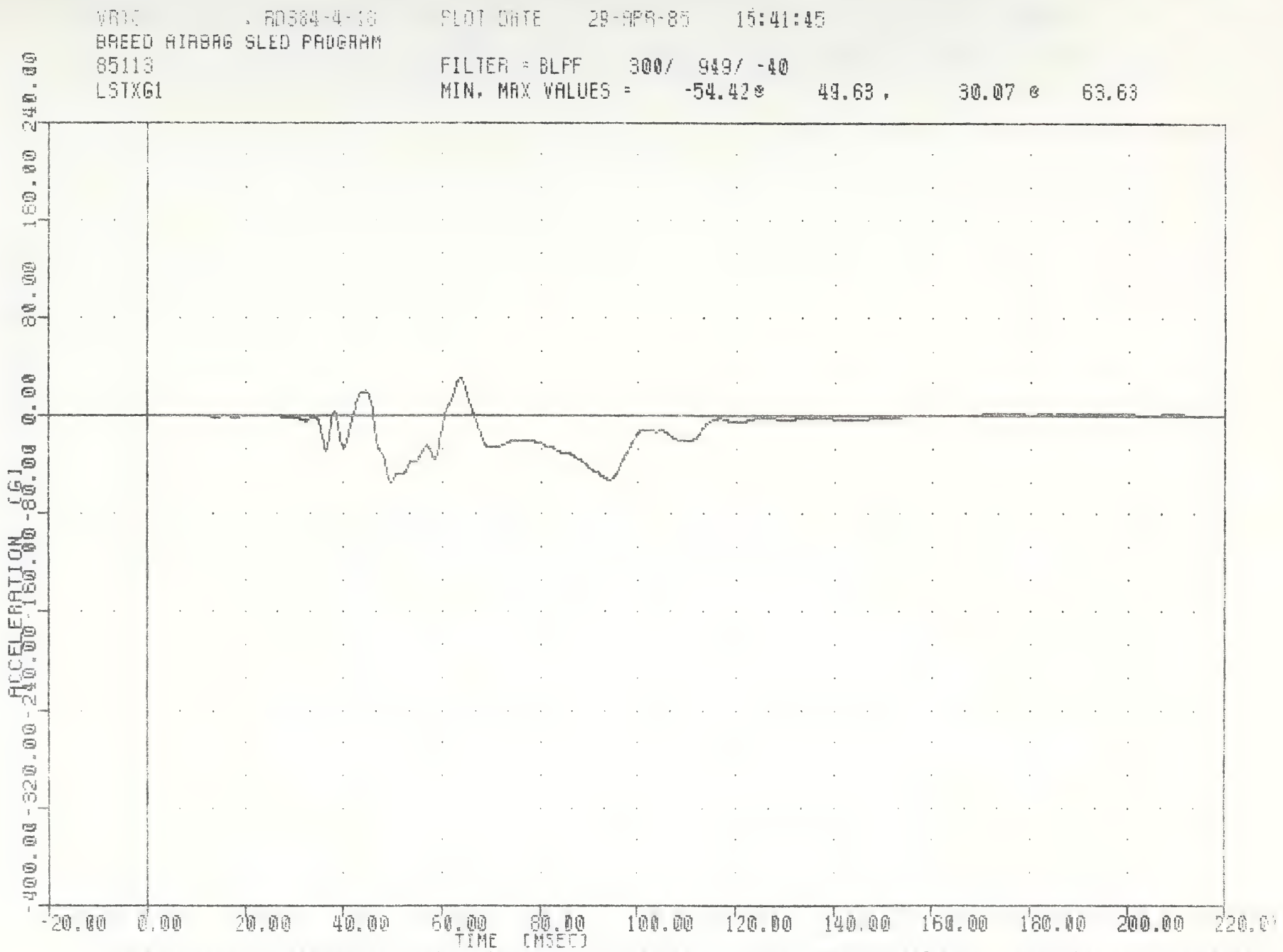


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS RESULTANT

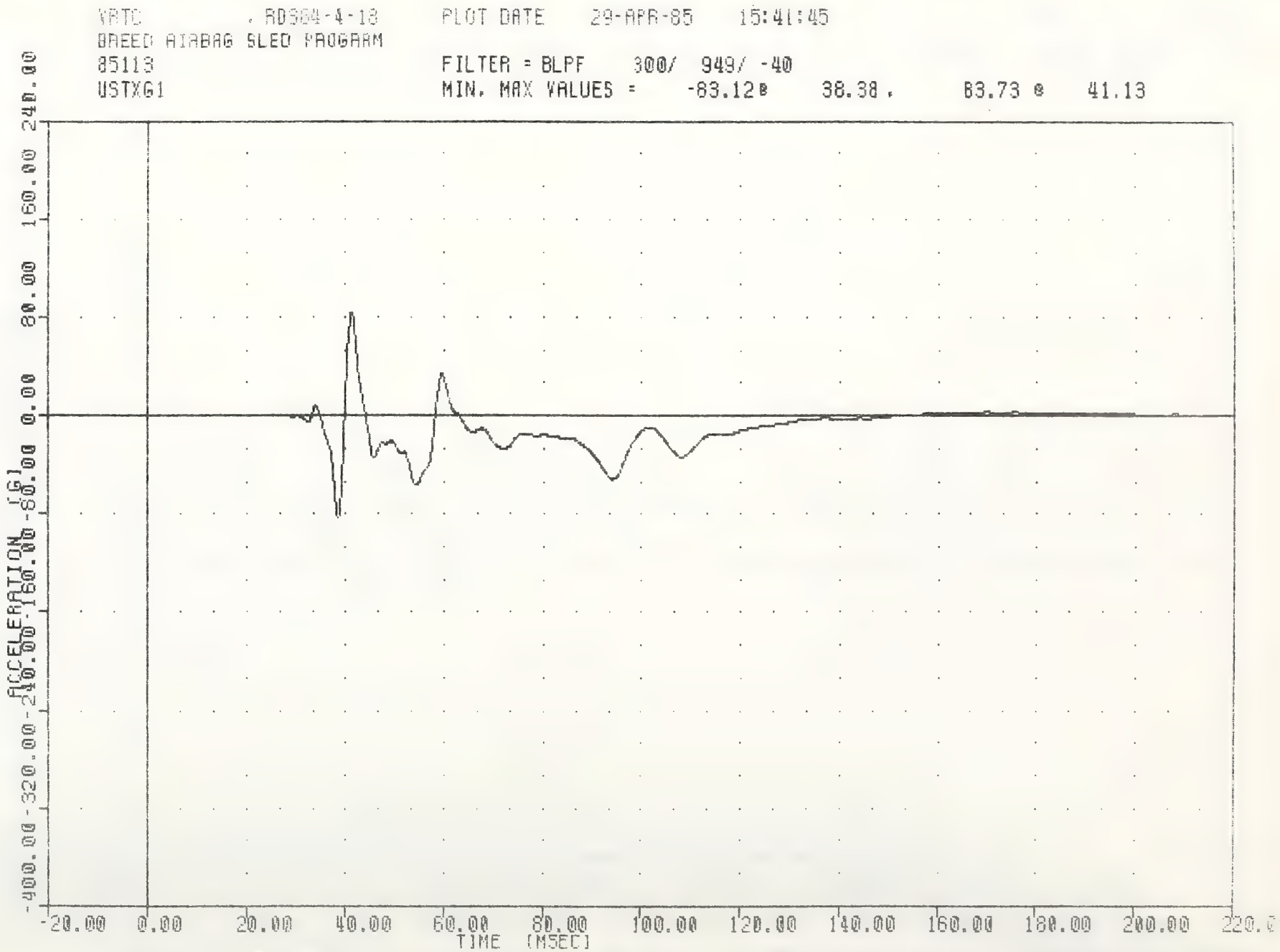

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.02 -19.13 154.14 92.88
ACCELERATION [G]
TIME [MSEC]
50TH PERC HYBRID III DUMMY



CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

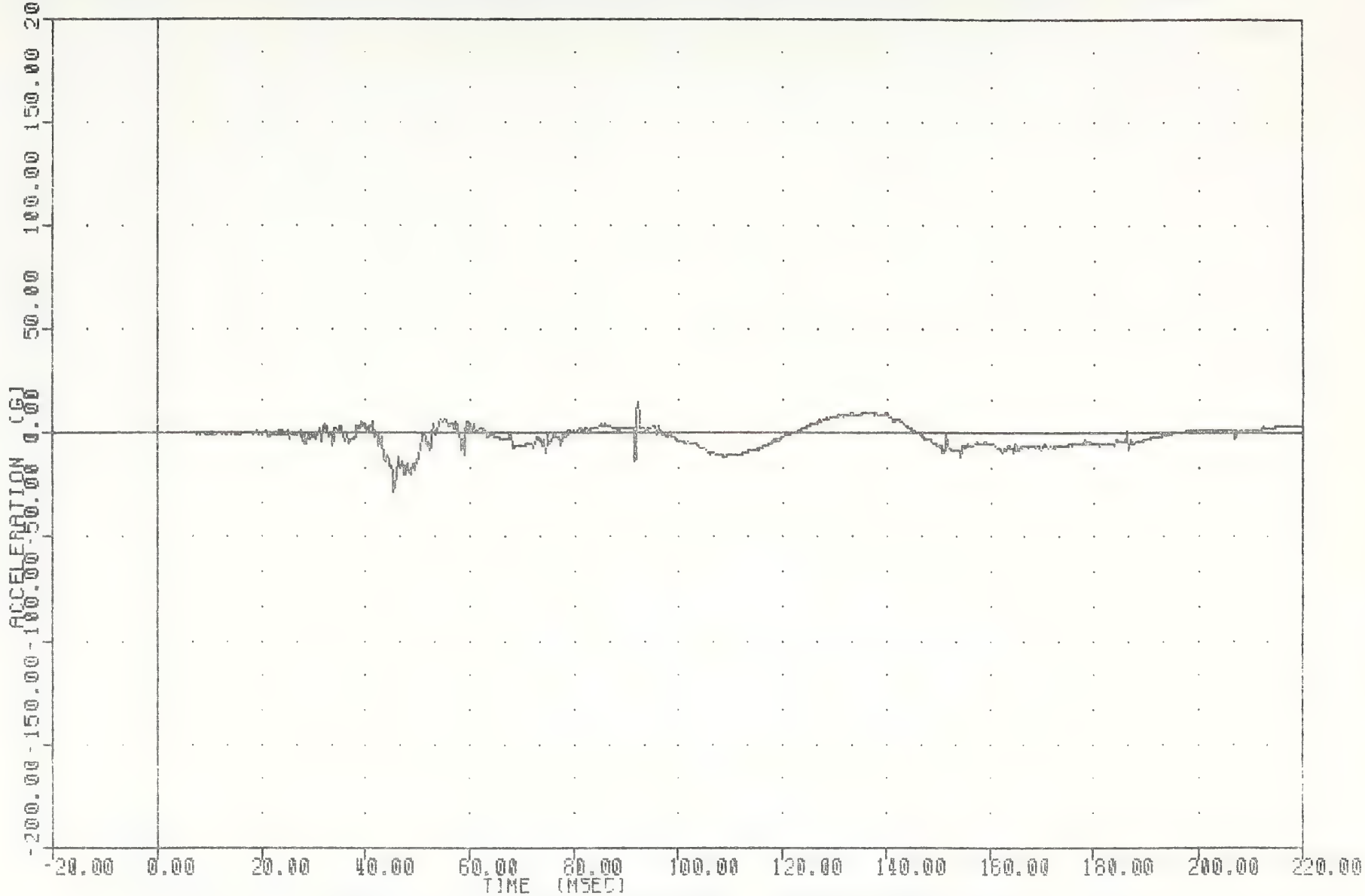


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

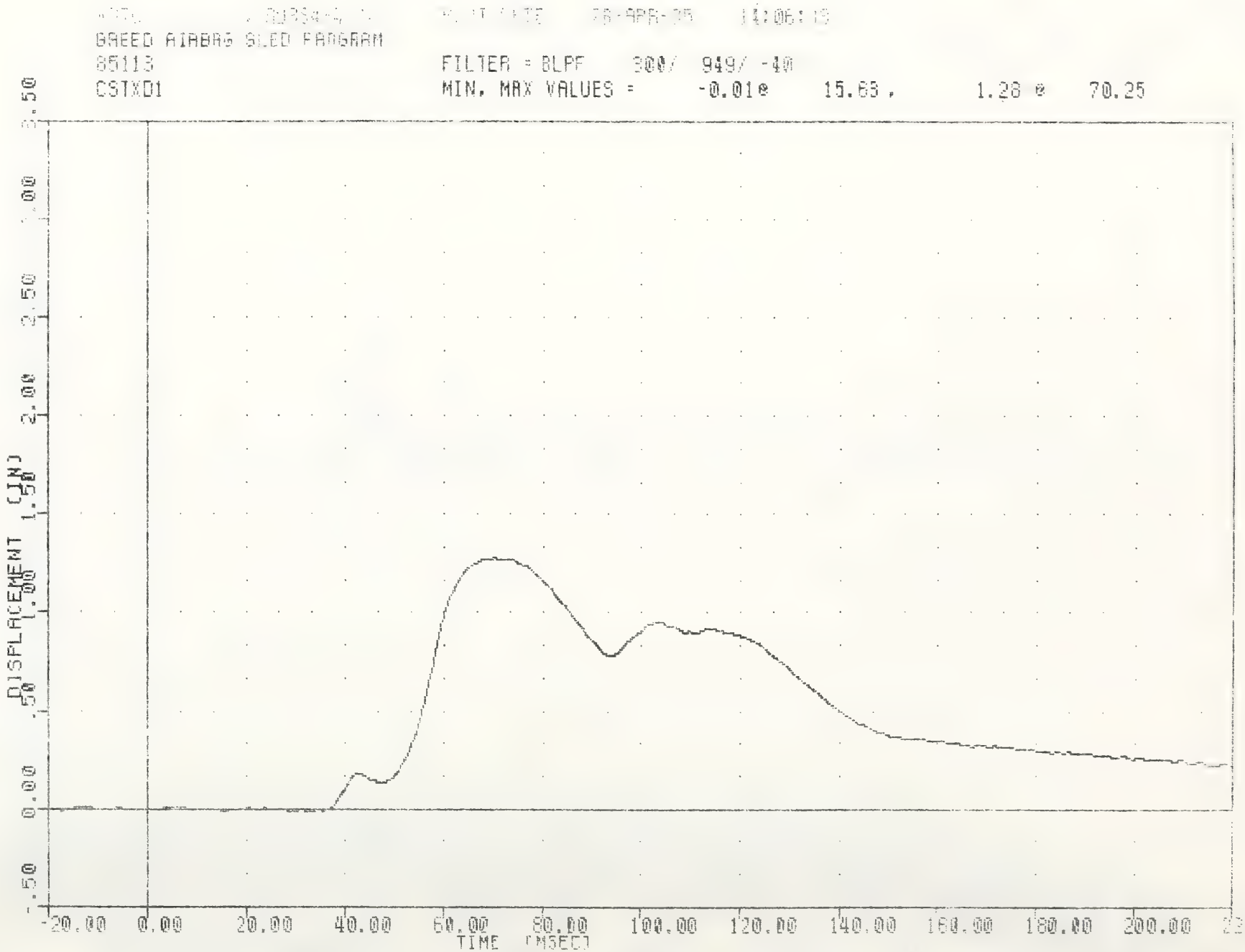


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

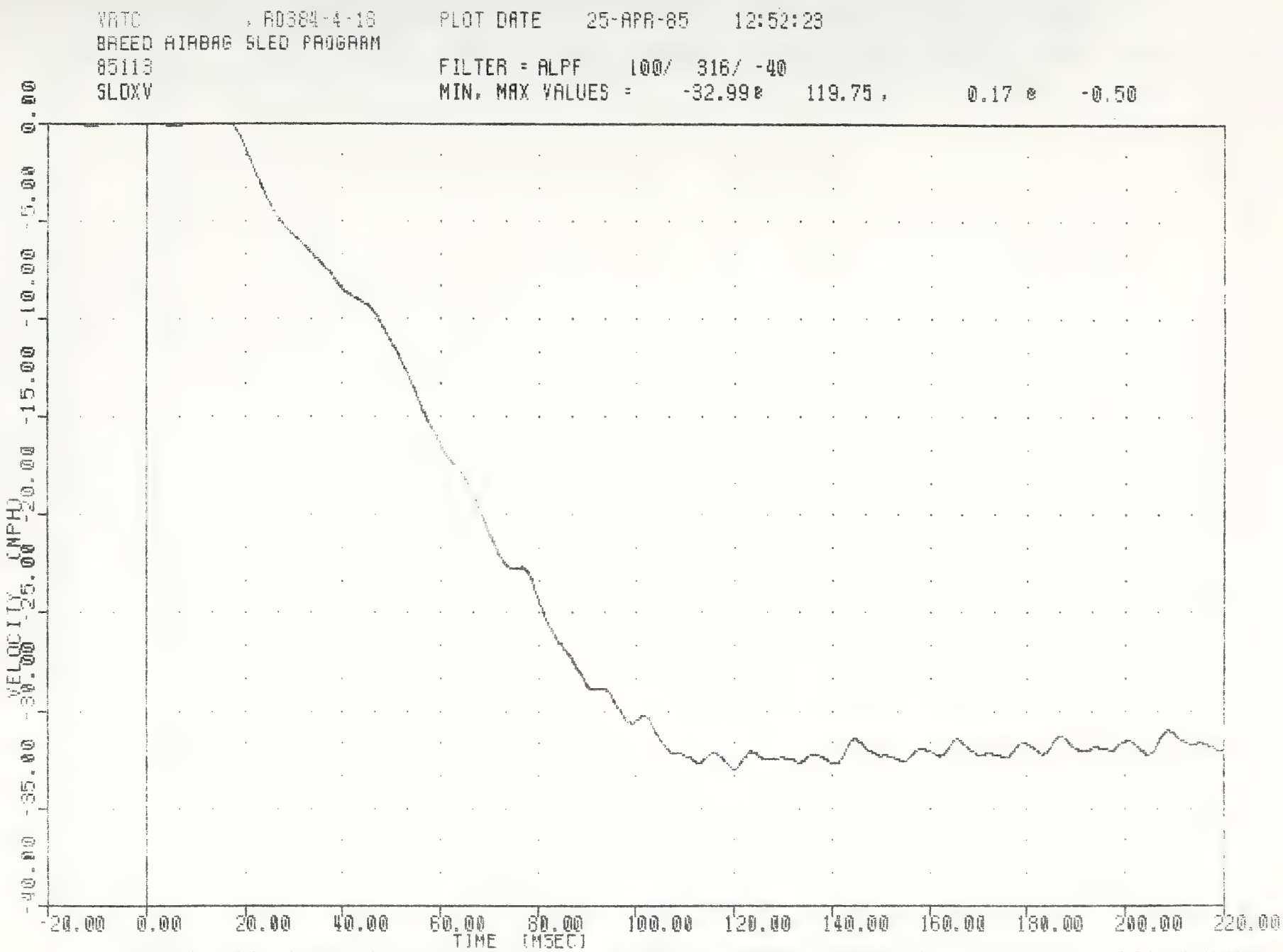
VRTC , R0384-4-18 PLOT DATE 3-MAY-85 12:30:02
BREED AIRBAG SLED PROGRAM
85113 FILTER = ALPF 1650/ 5214/ -40
HD2ZG1 MIN, MAX VALUES = -28.03@ 45.25, 15.62 @ 92.00



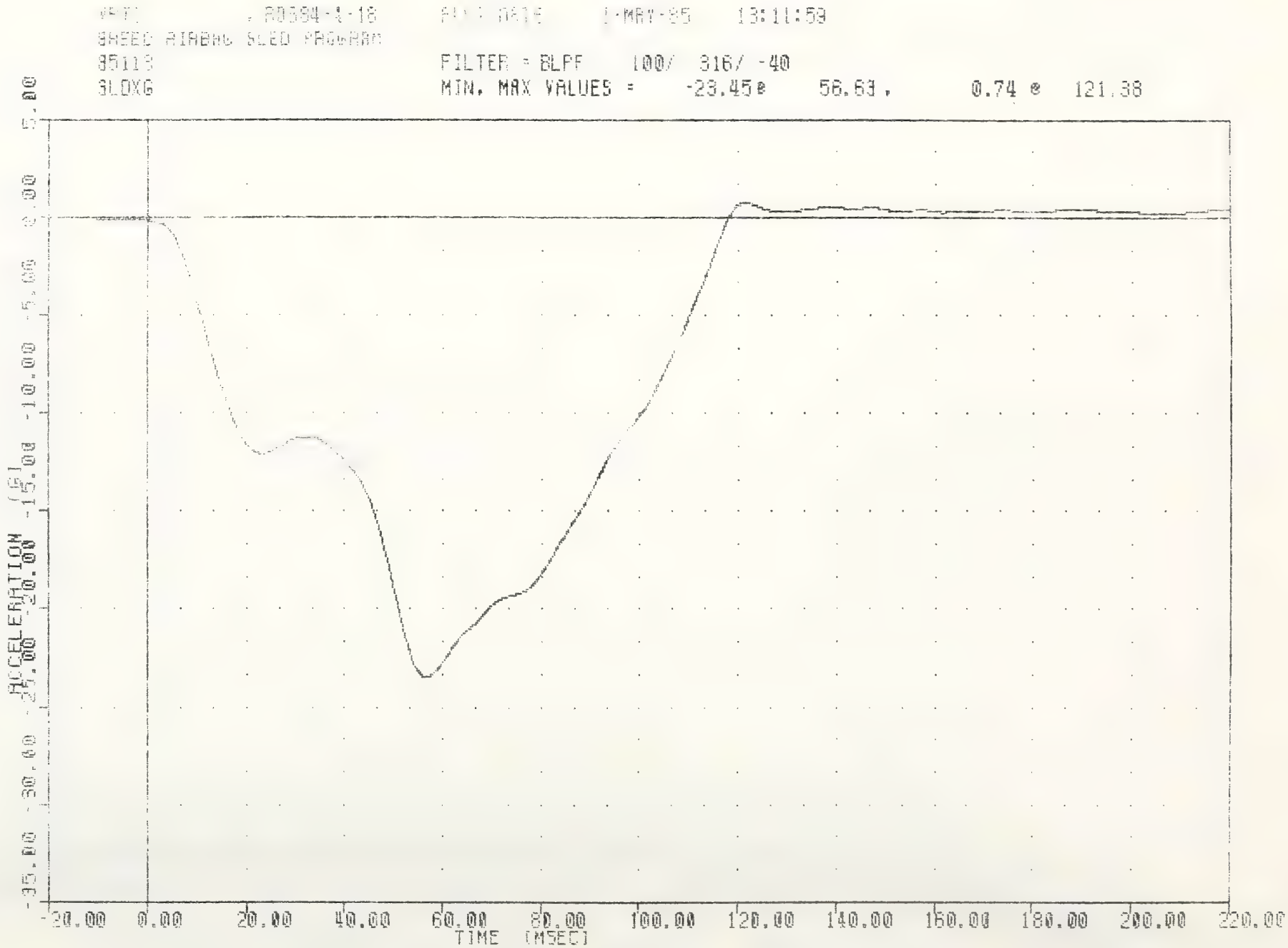
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)



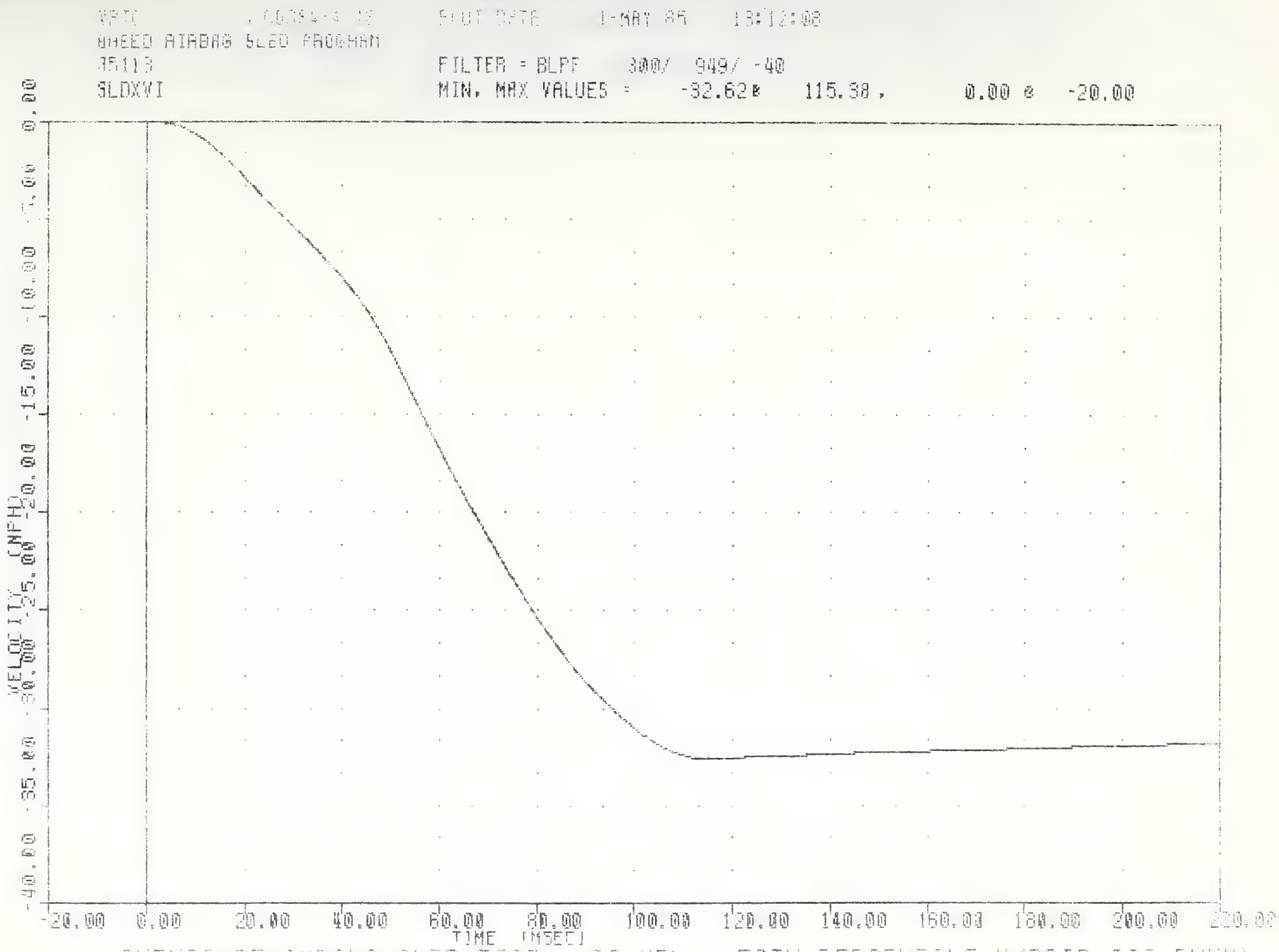
CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUMMY



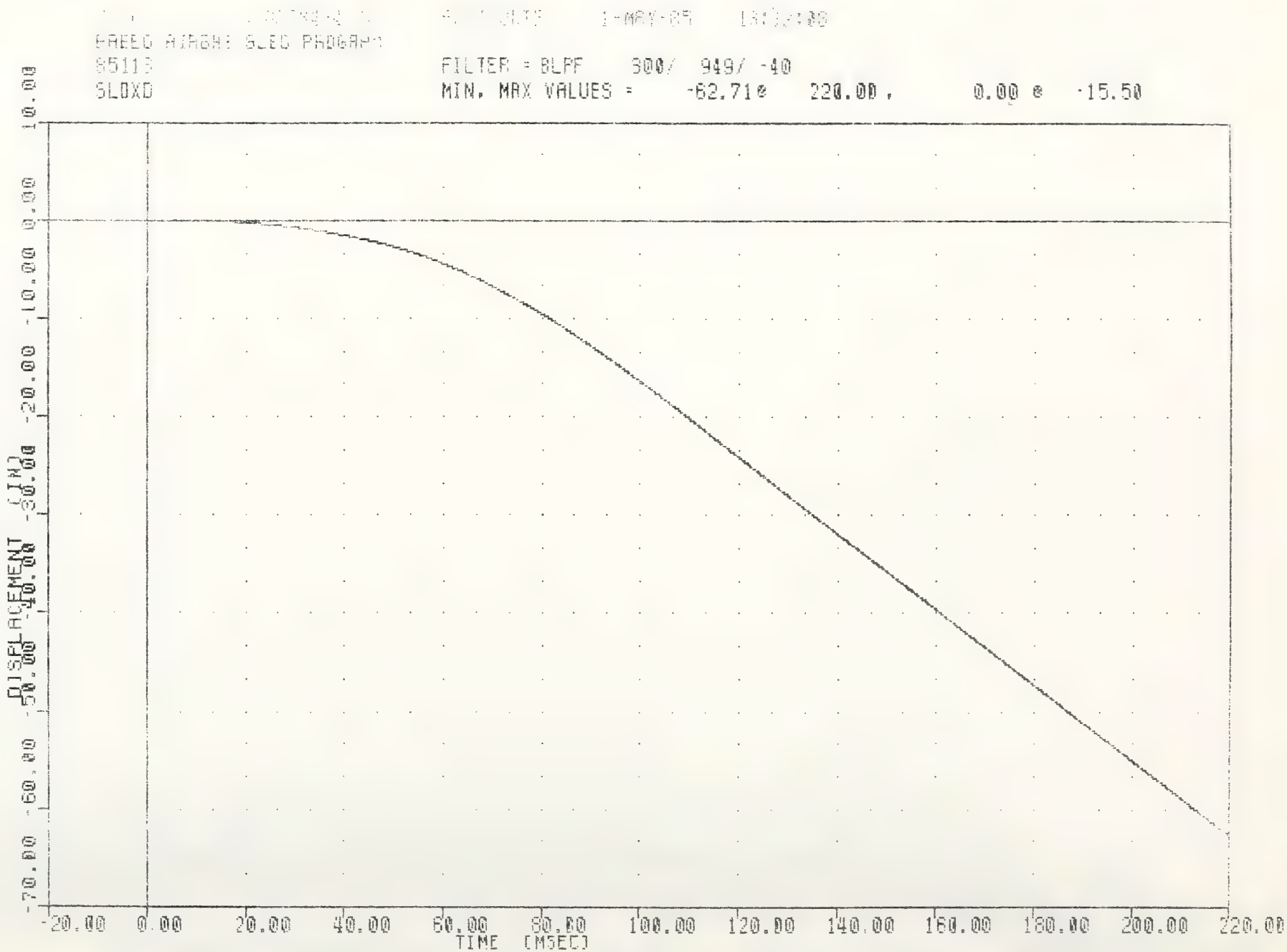
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY (CHRYSLER)



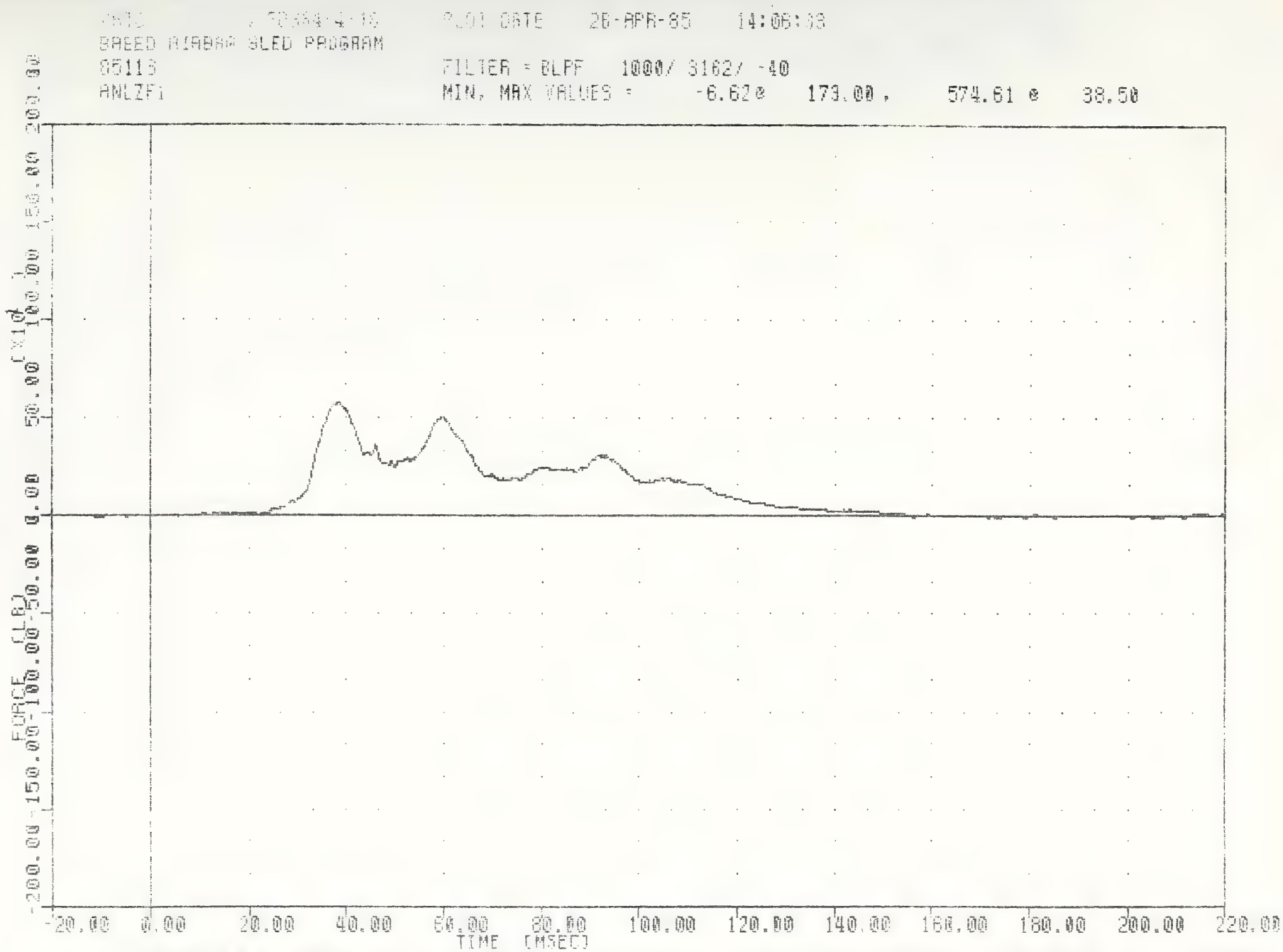
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED ACCELERATION



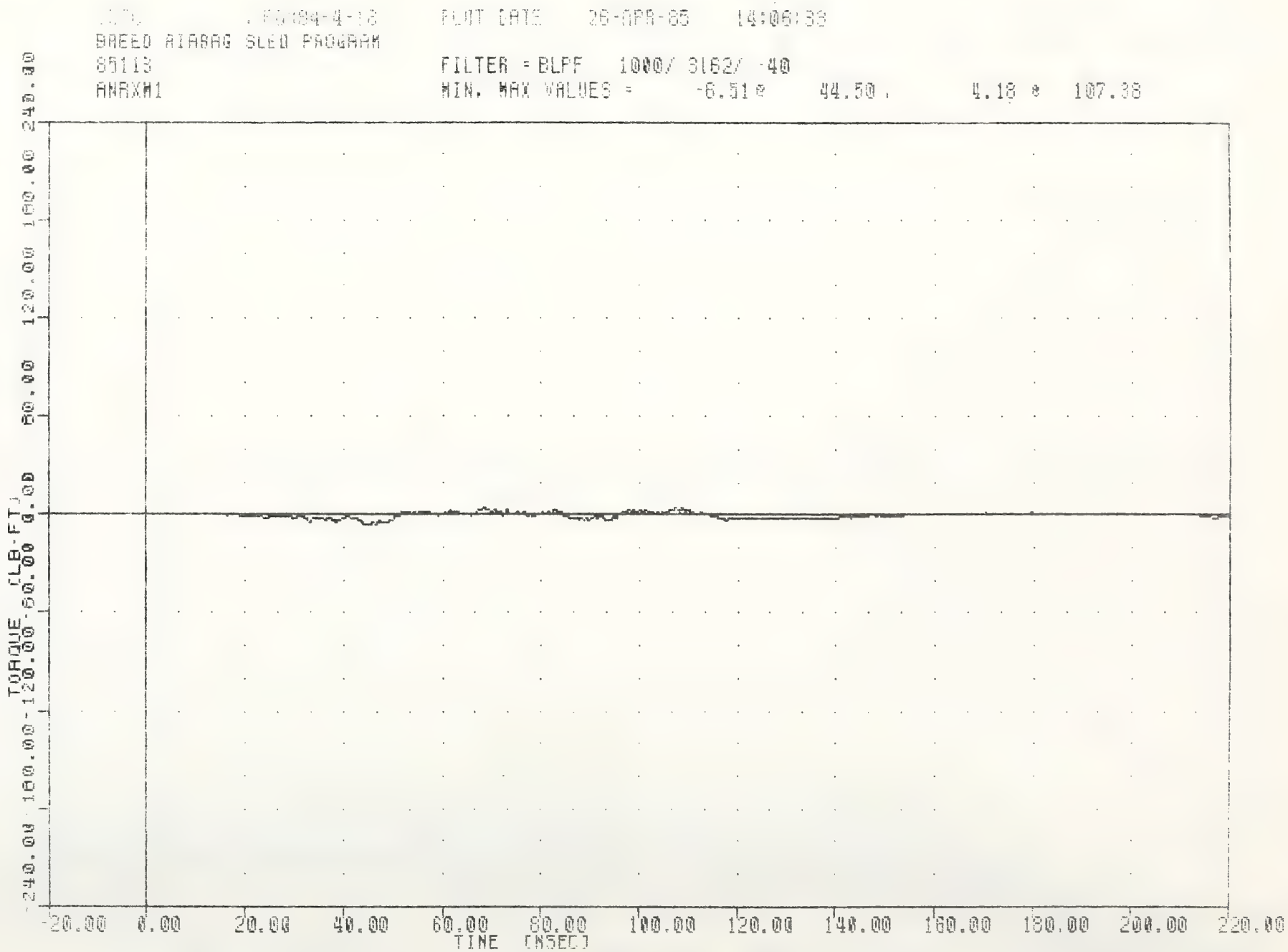
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY (INTEGRATED)



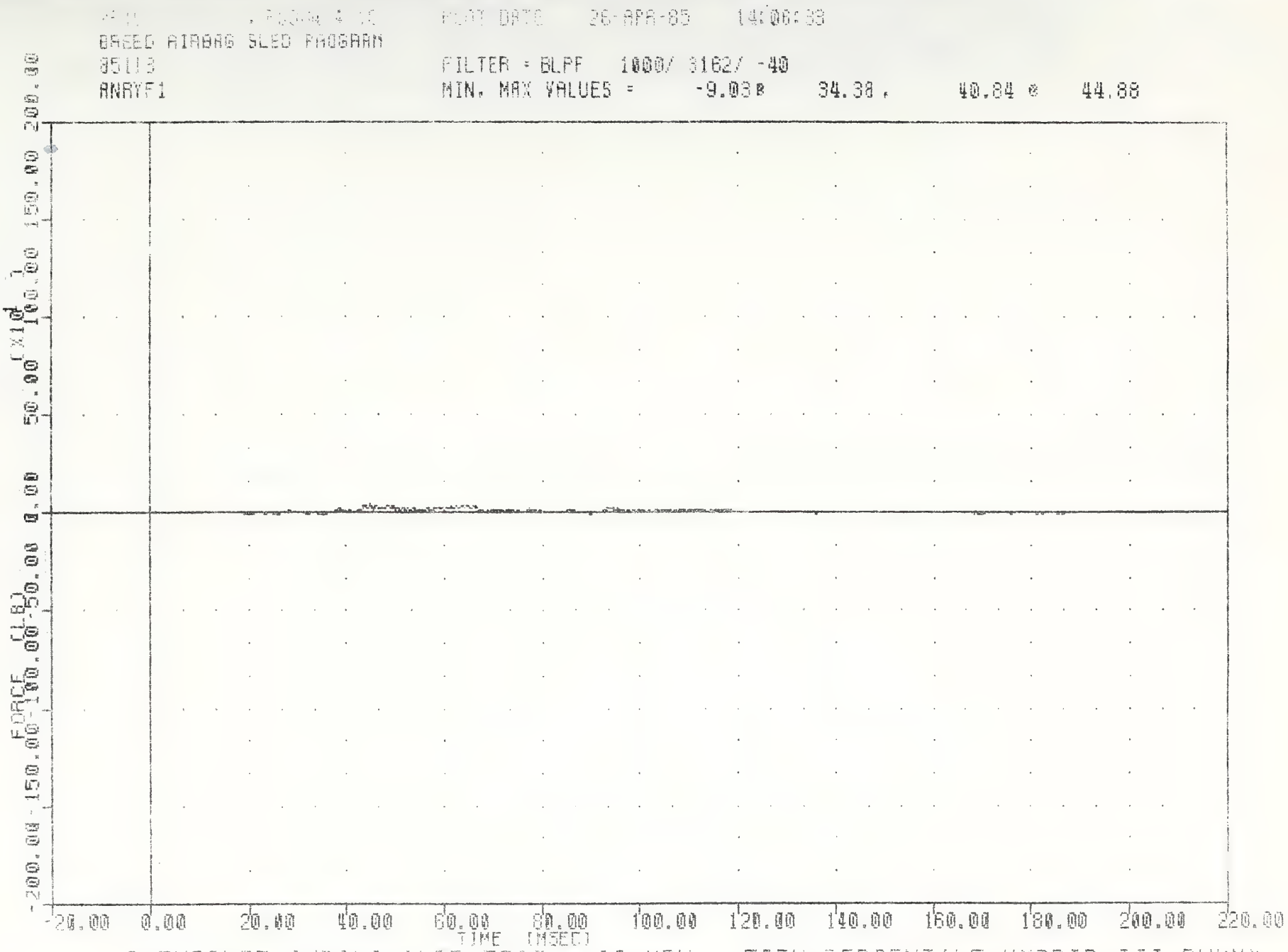
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X DRIVING SLOXVI



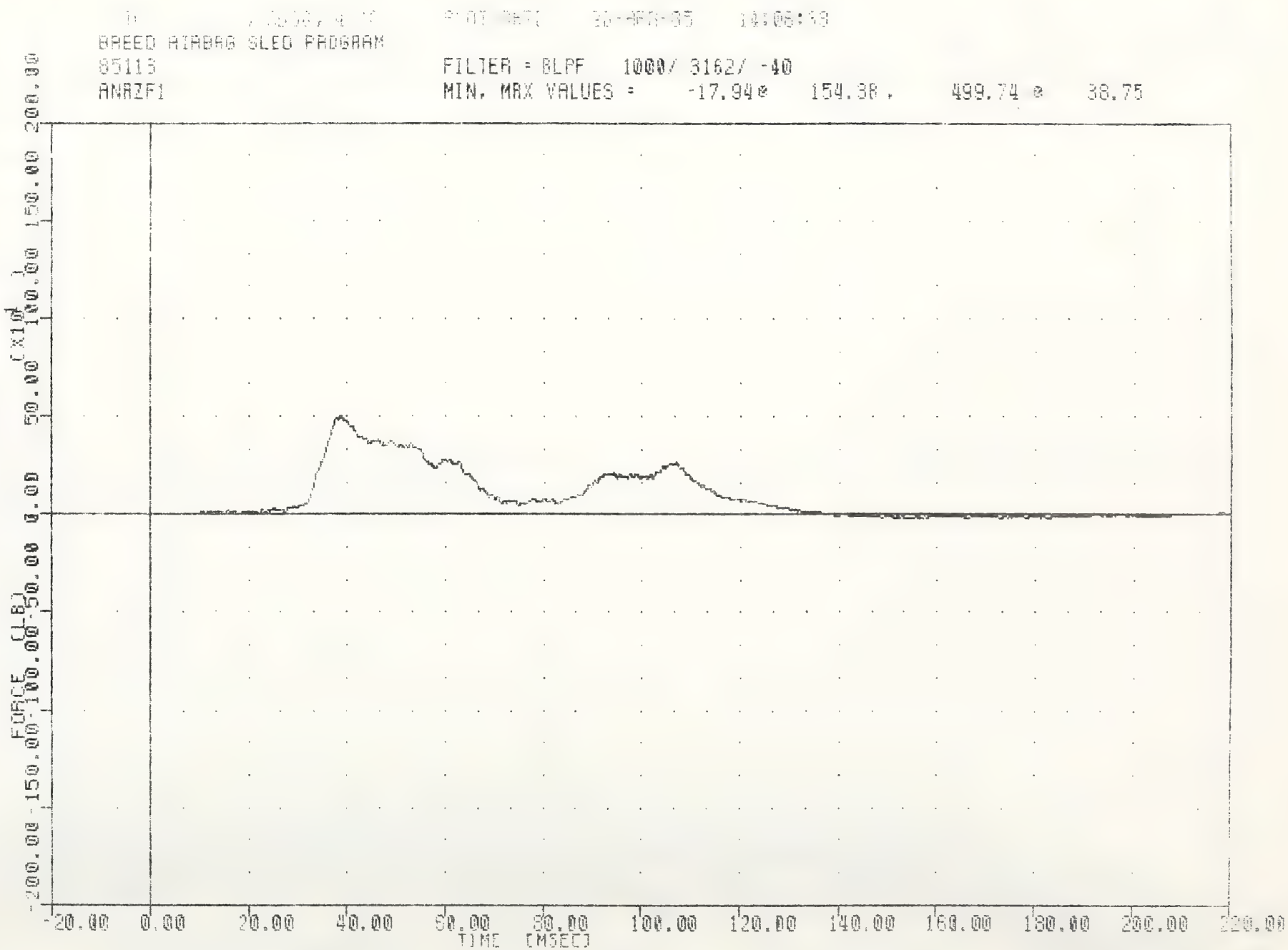
CHEVROLET IMPALA SLED TEST 35 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEG LOWER TIBIA FORCE - TEST 18



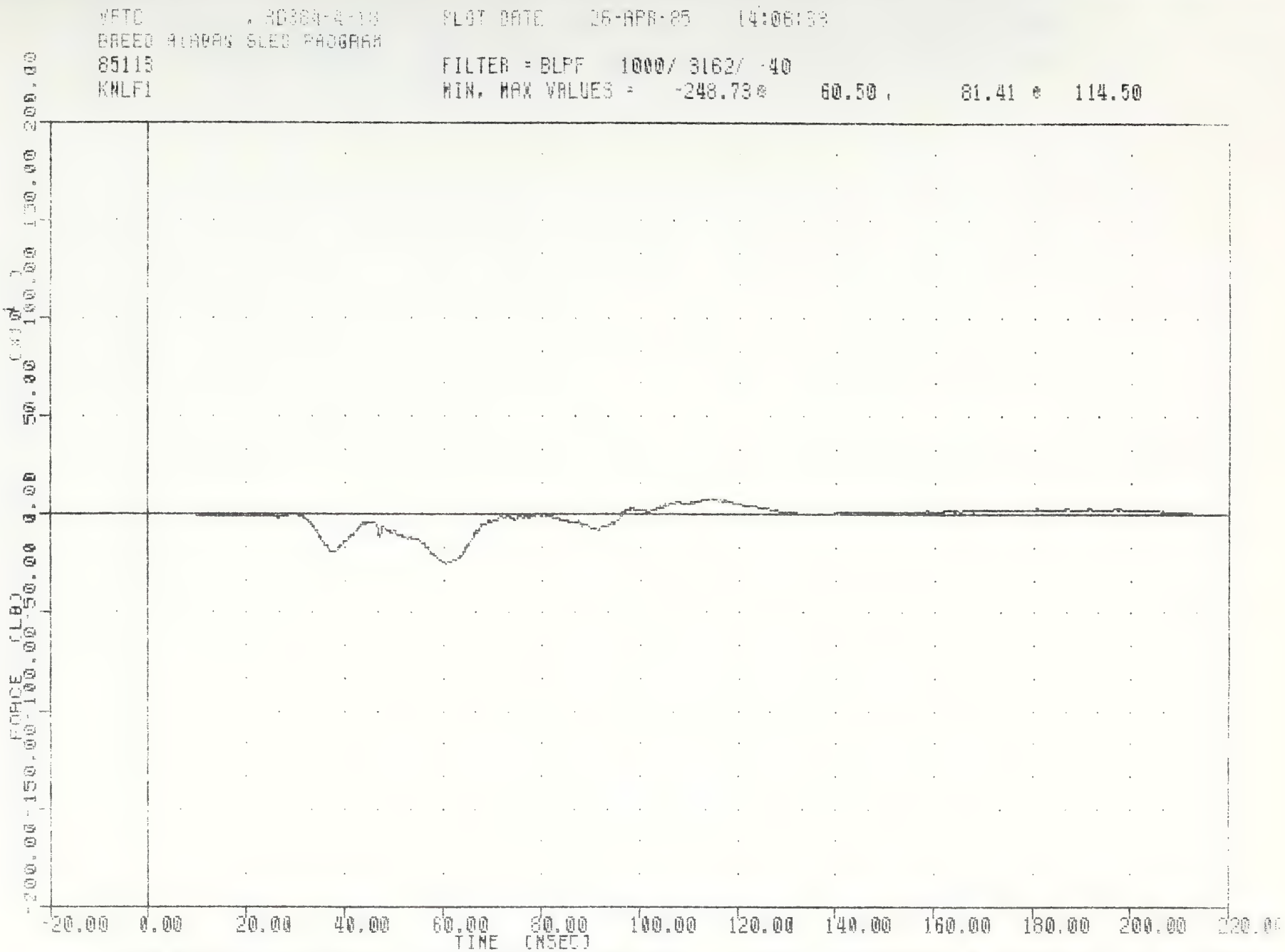
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT



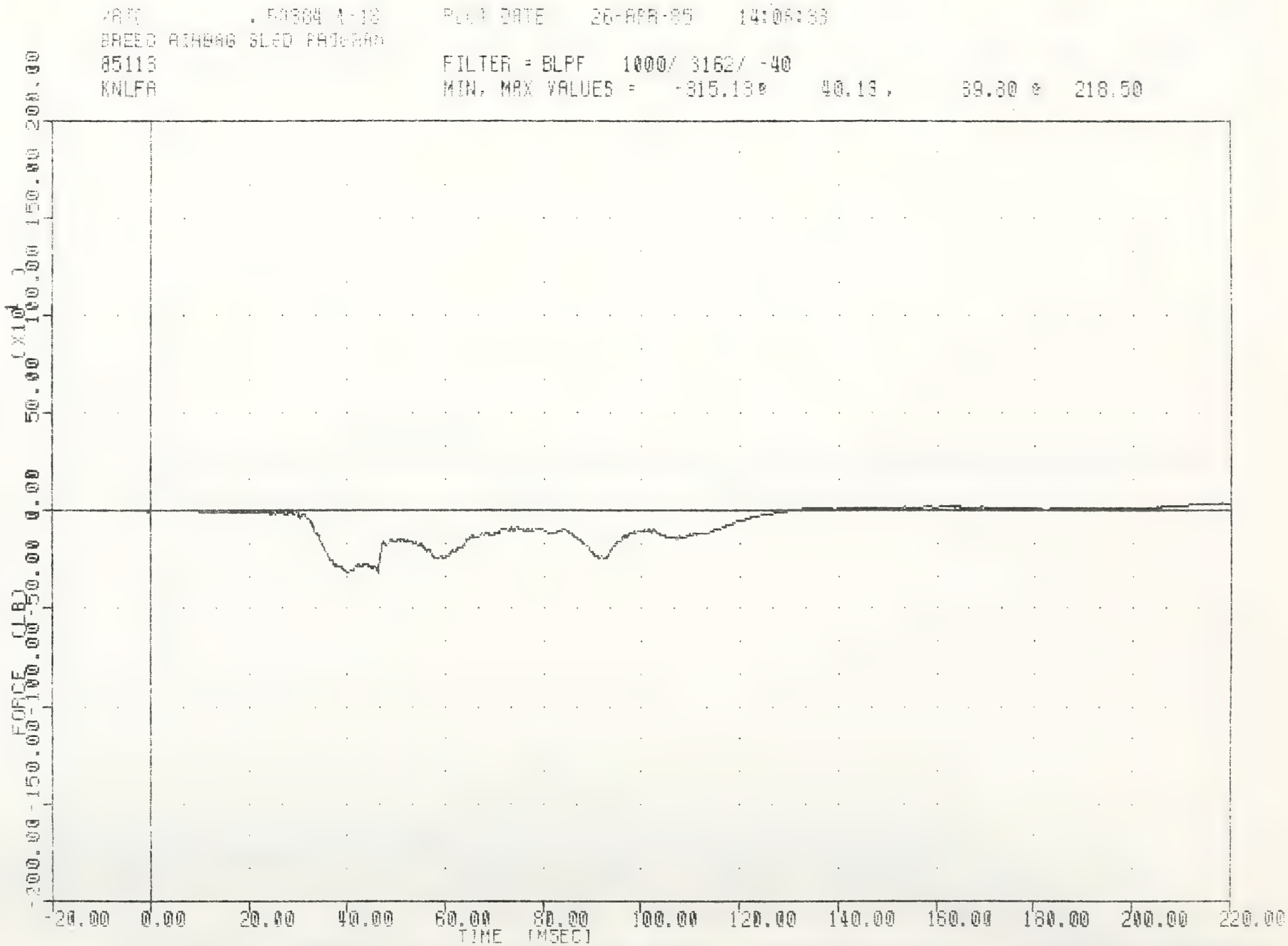
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE Y AXIS LBS



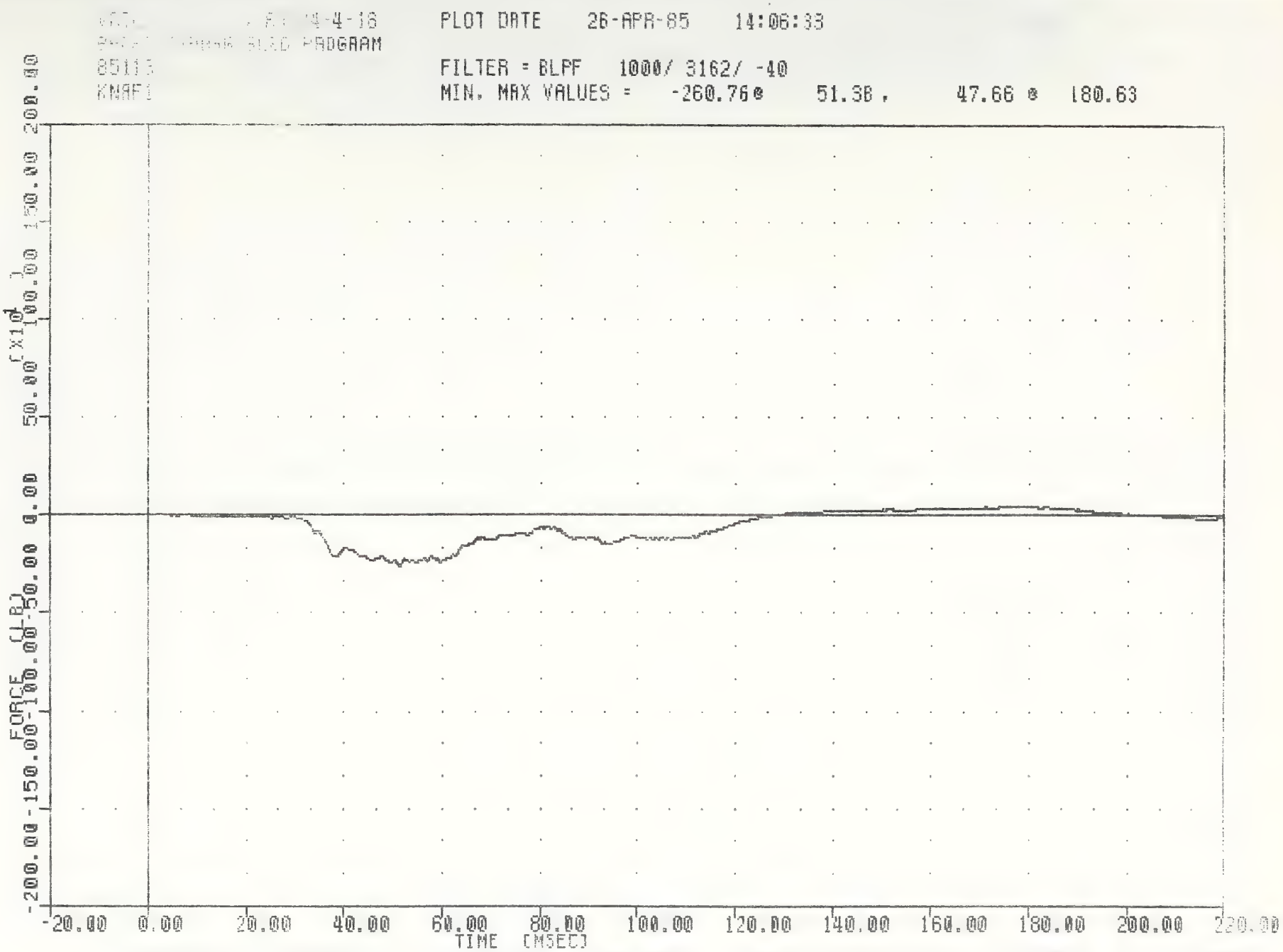
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE Z AXIS LBS



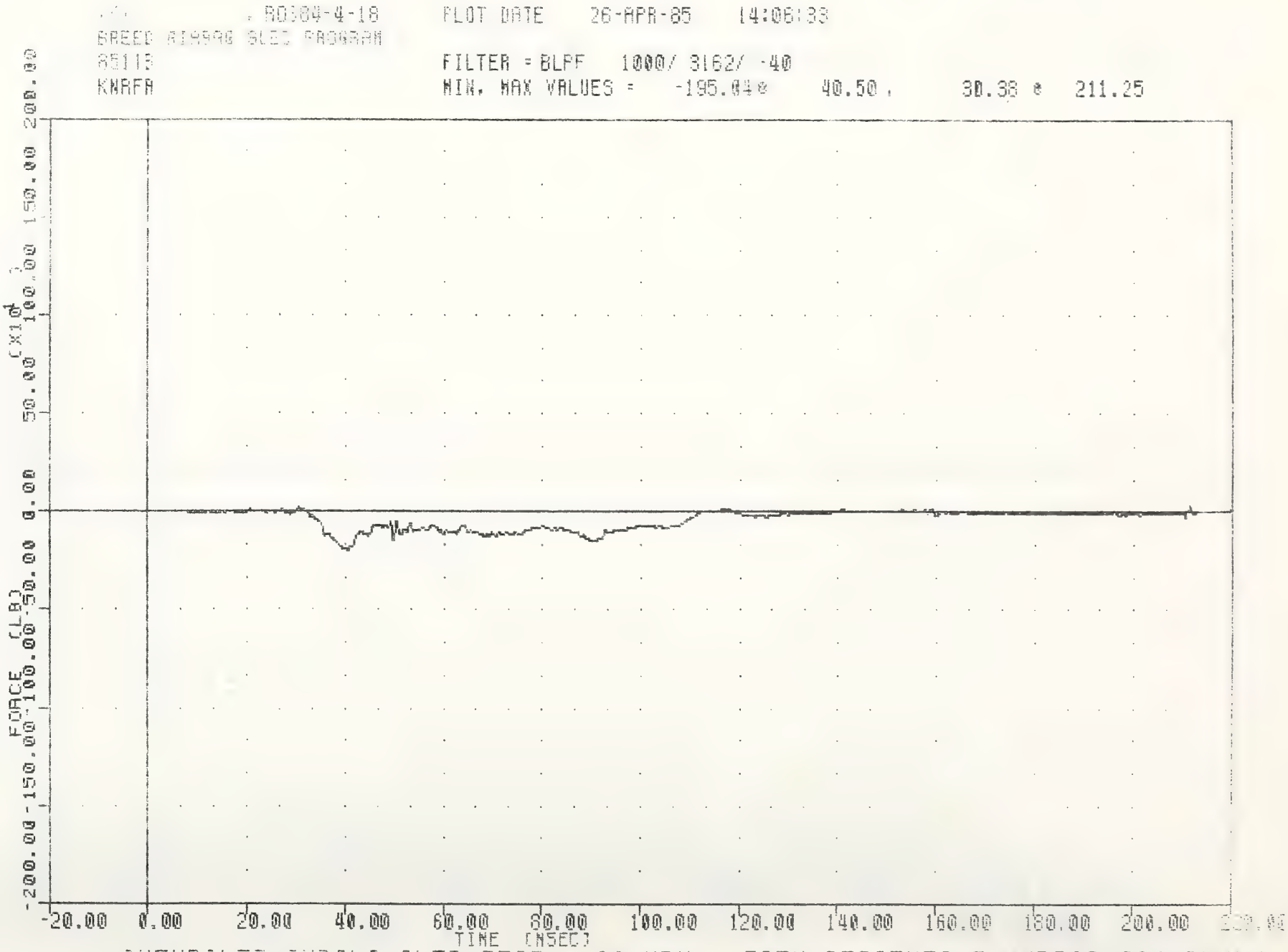
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE - LEFT SENSOR LS5



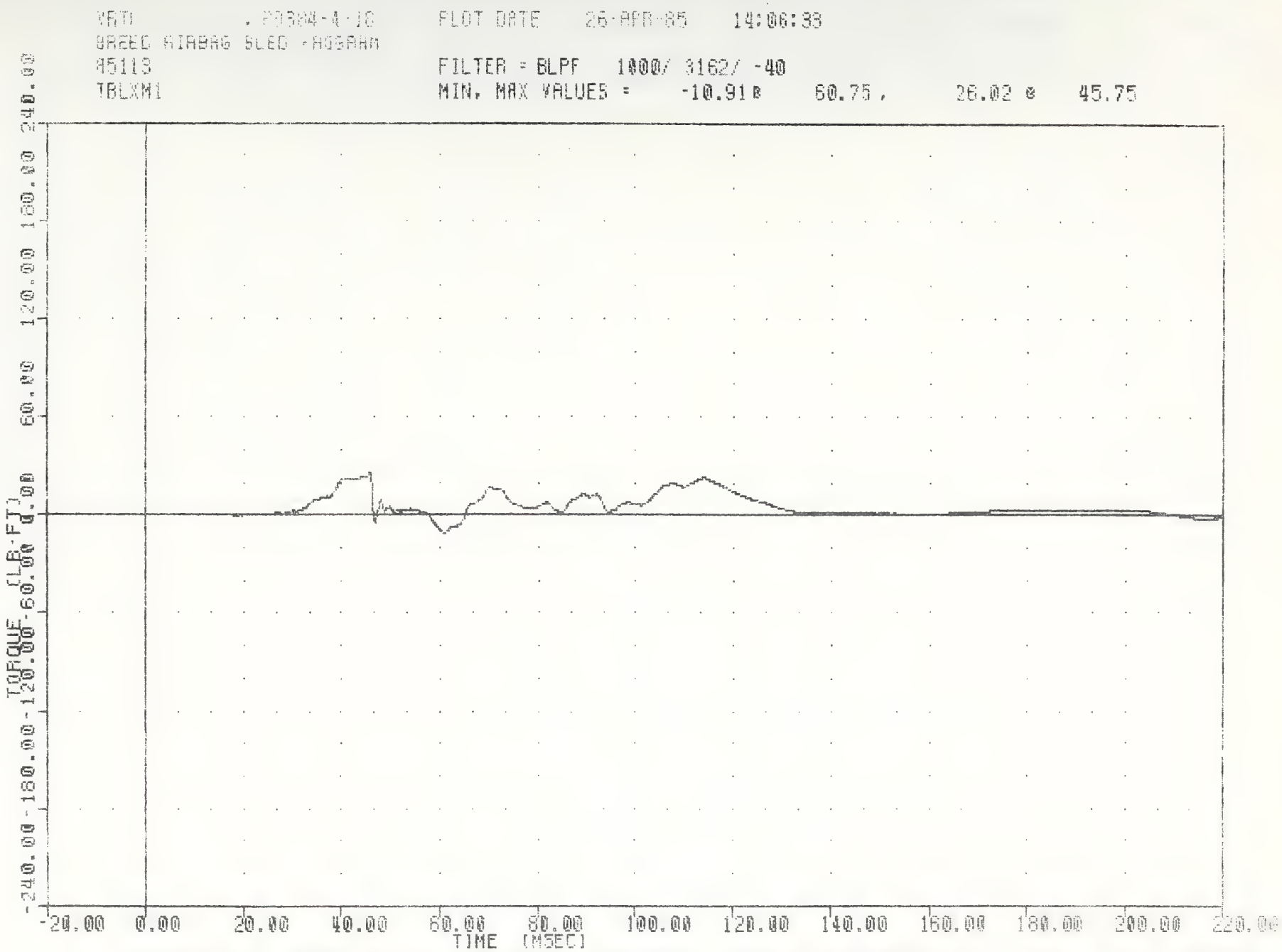
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
CRITER LEFT KNEE / RIGHT SENSOR LBS



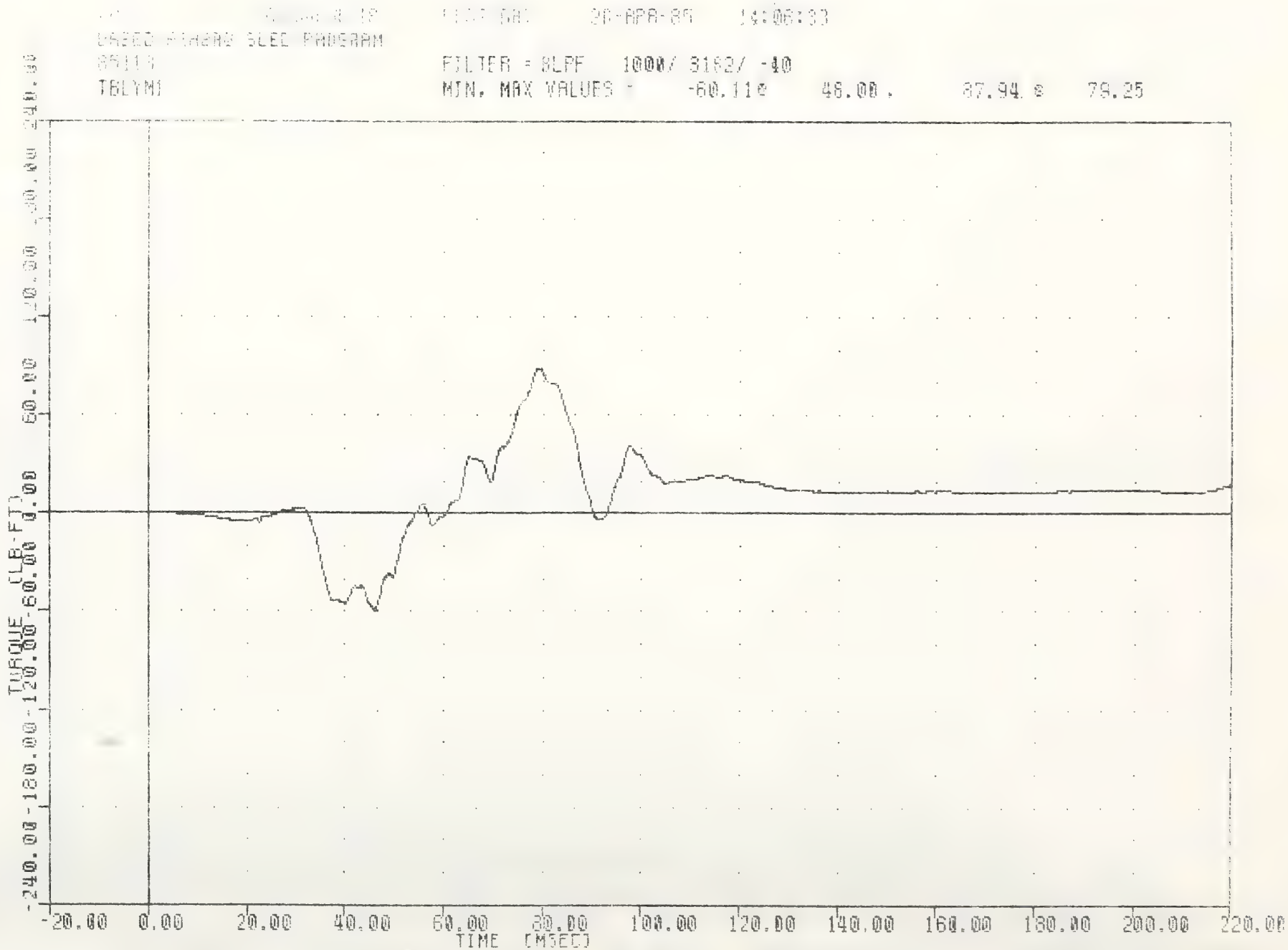
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR LBS



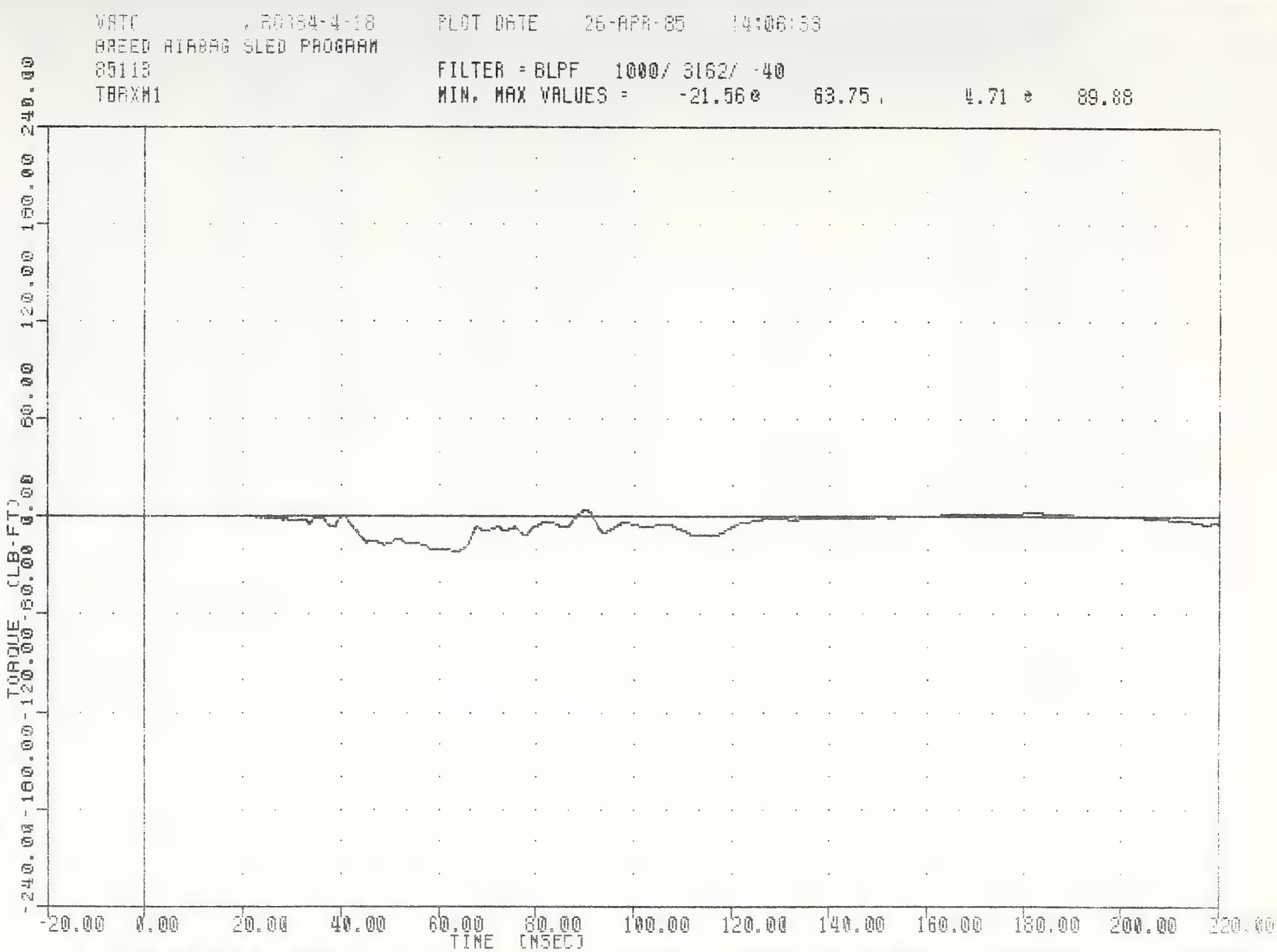
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT WEC 6 CHT SENSOR LPS



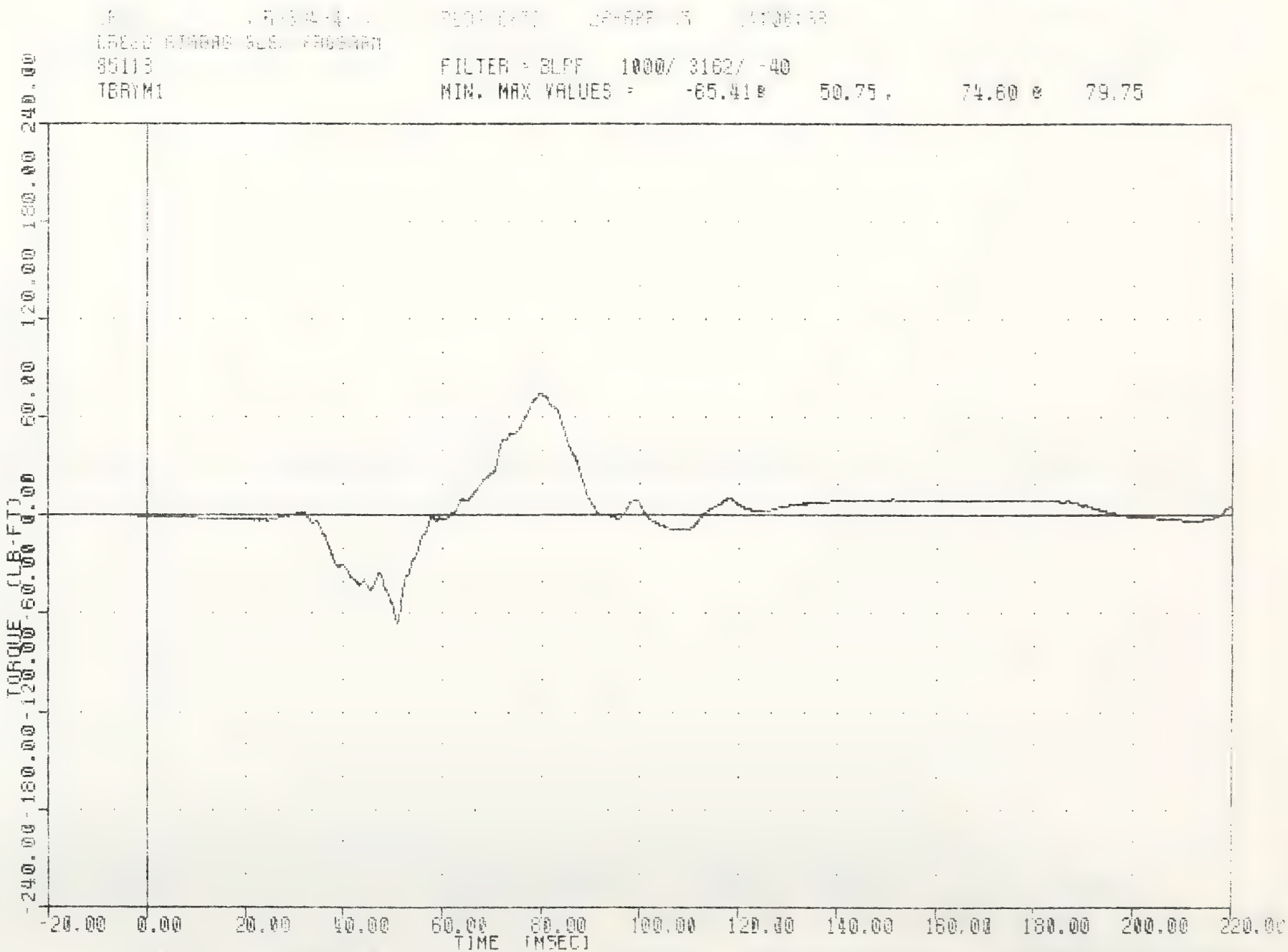
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT X AXIS LB-FT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER - FRONT UPPER TORSO MOMENT - DATA 1-8



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT X AXIS LB-FT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS (9-ST

TRC420P.RAD;1
VRTC RD384-4-19 BREED AIRBAG SLED PROGRAM 24-APR-85 15:30
85114 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.063 @ 160.750	1.614 @ -15.125 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.709 @ 112.375	0.129 @ -16.875 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.107 @ 57.125	0.975 @ 121.375 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-33.338 @ 58.375	3.997 @ 44.625 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-4.276 @ 46.875	2.784 @ 56.500 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-16.423 @ 115.250	8.353 @ 143.125 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-32.934 @ 106.250	2.558 @ 189.625 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-1.031 @ 51.250	1.823 @ 41.125 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-5.145 @ 49.500	5.674 @ 104.125 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-122.923 @ 37.625	100.976 @ 39.875 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-70.786 @ 50.375	38.335 @ 61.750 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-39.119 @ 81.875	1.455 @ 143.875 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-8.097 @ 75.625	5.335 @ 91.000 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-14.152 @ 101.000	1.656 @ 163.250 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-855.304 @ 83.125	112.788 @ 217.125 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-1275.071 @ 81.750	62.279 @ 183.500 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-148.828 @ 93.250	42.221 @ 100.625 msec	g	BLPF 100/ 316/ -40
18	STHLG	-14.286 @ 98.625	19.382 @ 91.250 msec	g	BLPF 100/ 316/ -40
19	STHIG	-28.402 @ 101.250	45.778 @ 95.375 msec	g	BLPF 100/ 316/ -40
20	LPBXG	-23.021 @ 56.375	0.951 @ 121.125 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-2.344 @ 112.625	2.832 @ 34.875 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-2.036 @ 32.750	3.702 @ 28.125 msec	g	BLPF 100/ 316/ -40
23	ABTP	-1.808 @ 39.750	37.899 @ 30.125 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-2.677 @ 24.250	0.003 @ -11.125 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-4.205 @ 27.750	0.001 @ -12.375 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-0.002 @ -19.875	2.019 @ 24.125 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.079 @ 163.000	2.152 @ 46.375 msec	volt	ALPF 1650/ 5214/ -40

TRC420RP.RAD;1
VRTC RD384-4-19 BREED AIRBAG SLED PROGRAM 24-APR-85 15:32
85114 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.029 @ -17.875	34.006 @ 58.500 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.044 @ -18.500	33.137 @ 106.250 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.007 @ 5.875	39.902 @ 81.875 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.049 @ -12.500	152.808 @ 93.375 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.060 @ -3.250	23.046 @ 56.375 msec	g	BLPF 100/ 316/ -40

TRC420AP.RAD;1
VRTC RD384-4-19 BREED AIRBAG SLED PROGRAM 24-APR-85 15:30
85114 30.00 mph

		Min value			Max value			Data Units	Filter			
1	HD2ZG1	-26.551	@	76.875	11.641	@	52.750 msec	g	ALPF	1650/	5214/	-40
2	NEKXF1	-9.233	@	38.250	379.221	@	60.375 msec	lb	BLPF	100/	316/	-40
3	NEKYM1	-72.548	@	165.625	215.324	@	61.375 msec	lb-ft	BLPF	100/	316/	-40
4	NEKZF1	-8.748	@	184.875	143.872	@	57.625 msec	lb	BLPF	100/	316/	-40
5	CSTXD1	-0.011	@	25.000	1.223	@	74.125 msec	in	BLPF	300/	949/	-40
6	KNLF1	-254.490	@	61.250	133.886	@	117.125 msec	lb	BLPF	1000/	3162/	-40
7	KNLFA	-324.024	@	40.375	26.507	@	155.500 msec	lb	BLPF	1000/	3162/	-40
8	KNRF1	-331.395	@	42.125	40.354	@	145.125 msec	lb	BLPF	1000/	3162/	-40
9	KNRFA	-194.885	@	69.125	35.716	@	220.000 msec	lb	BLPF	1000/	3162/	-40
10	TBLXM1	-5.642	@	80.375	24.131	@	43.125 msec	lb-ft	BLPF	1000/	3162/	-40
11	TBLYM1	-60.490	@	44.500	153.290	@	80.500 msec	lb-ft	BLPF	1000/	3162/	-40
12	TBRXM1	-23.500	@	41.750	14.479	@	88.375 msec	lb-ft	BLPF	1000/	3162/	-40
13	TBRYM1	-53.621	@	46.000	171.250	@	81.500 msec	lb-ft	BLPF	1000/	3162/	-40
14	ANLXM1	-9.854	@	41.000	31.125	@	55.250 msec	lb-ft	BLPF	1000/	3162/	-40
15	ANLYF1	-57.733	@	54.750	5.279	@	96.500 msec	lb	BLPF	1000/	3162/	-40
16	ANLZF1	-2.228	@	3.250	599.239	@	38.875 msec	lb	BLPF	1000/	3162/	-40
17	ANRXM1	-10.778	@	42.500	5.353	@	59.000 msec	lb-ft	BLPF	1000/	3162/	-40
18	ANRYF1	-17.528	@	144.125	38.549	@	42.125 msec	lb	BLPF	1000/	3162/	-40
19	ANRZF1	-32.631	@	84.875	538.038	@	43.125 msec	lb	BLPF	1000/	3162/	-40

TRC420IP.RAD;1
VRTC RD384-4-19 BREED AIRBAG SLED PROGRAM 24-APR-85 15:30
85114 30.00 mph

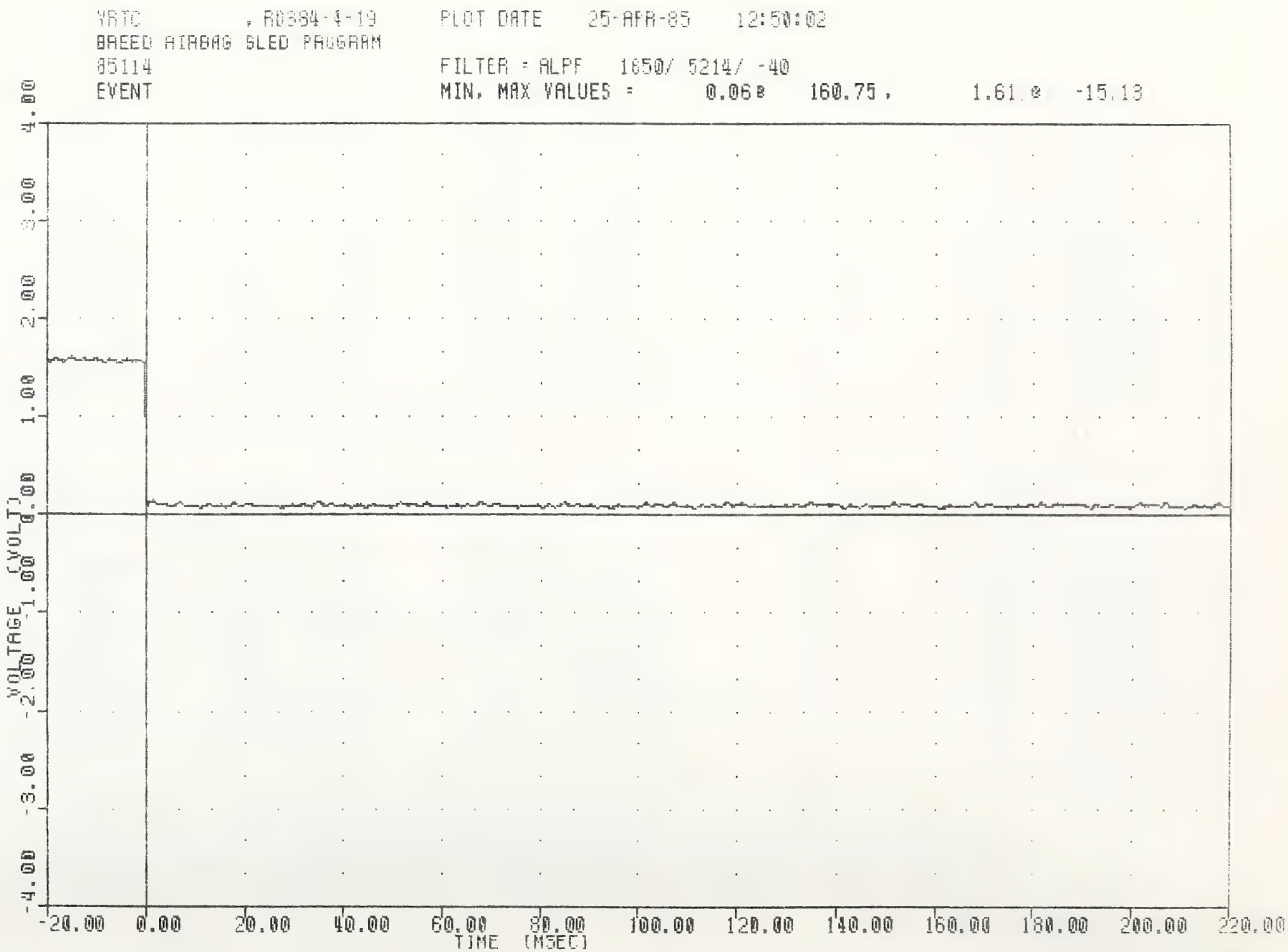
		Min value			Max value			Data Units	Filter			
1	HEDXV1	-38.679	@	220.000	0.784	@	47.750 msec	mph	BLPF	300/	949/	-40
2	HEDXD1	-50.105	@	220.000	0.756	@	51.625 msec	in	BLPF	300/	949/	-40
3	CSTXV1	-34.272	@	142.000	0.824	@	-12.875 msec	mph	BLPF	300/	949/	-40
4	CSTXD1	-50.248	@	220.000	0.957	@	40.250 msec	in	BLPF	300/	949/	-40
5	PEVXV1	-34.824	@	134.875	0.716	@	-1.875 msec	mph	BLPF	300/	949/	-40
6	PEVXD1	-56.358	@	220.000	0.785	@	35.250 msec	in	BLPF	300/	949/	-40
7	SLDXVI	-32.467	@	114.750	0.000	@	-20.000 msec	mph	BLPF	300/	949/	-40
8	SLDXD	-62.417	@	220.000	0.000	@	-20.000 msec	in	BLPF	300/	949/	-40
9	STHPV	-30.059	@	183.500	0.241	@	-10.625 msec	mph	BLPF	300/	949/	-40
10	STHPD	-51.685	@	220.000	0.197	@	10.375 msec	in	BLPF	300/	949/	-40
11	LPBXV	-31.700	@	114.375	0.209	@	-19.125 msec	mph	BLPF	300/	949/	-40
12	LPBXD	-60.507	@	220.000	0.161	@	6.625 msec	in	BLPF	300/	949/	-40

HEDRG1

```
* * *   HIC computation for TRC420RP 24-APR-85 15:37:28

HEDRG1       VRTC        RD384-4-19  85114        BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 154.375 msec     Peak accel =  34.01 @  58.500

HIC =  103.51     Interval from  47.625 [ 542] to 147.750 [1343]

HIC =   69.28     Interval from  52.250 [ 579] to  67.250 [ 699]
```

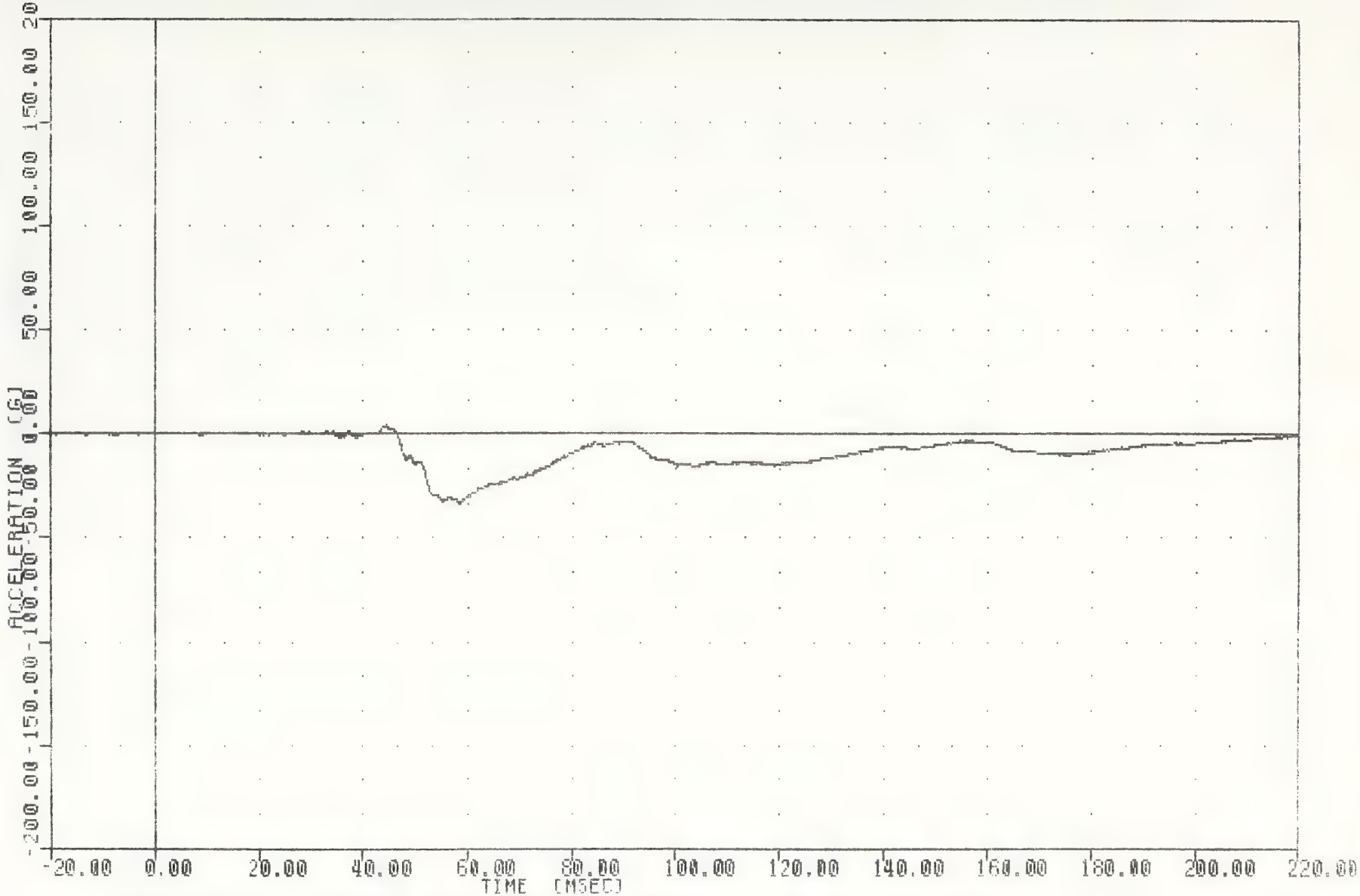
CSTRG1

```
[SLED.BREED]TRC420RP.RAD;1                                VRTC        RD384-4-19
BREED AIRBAG SLED PROGRAM        30.0 mph      85114          24-APR-85 15:38:11
Deltax: 0.125

3 MS CLIP PEAK:    31.99604

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
EVENT

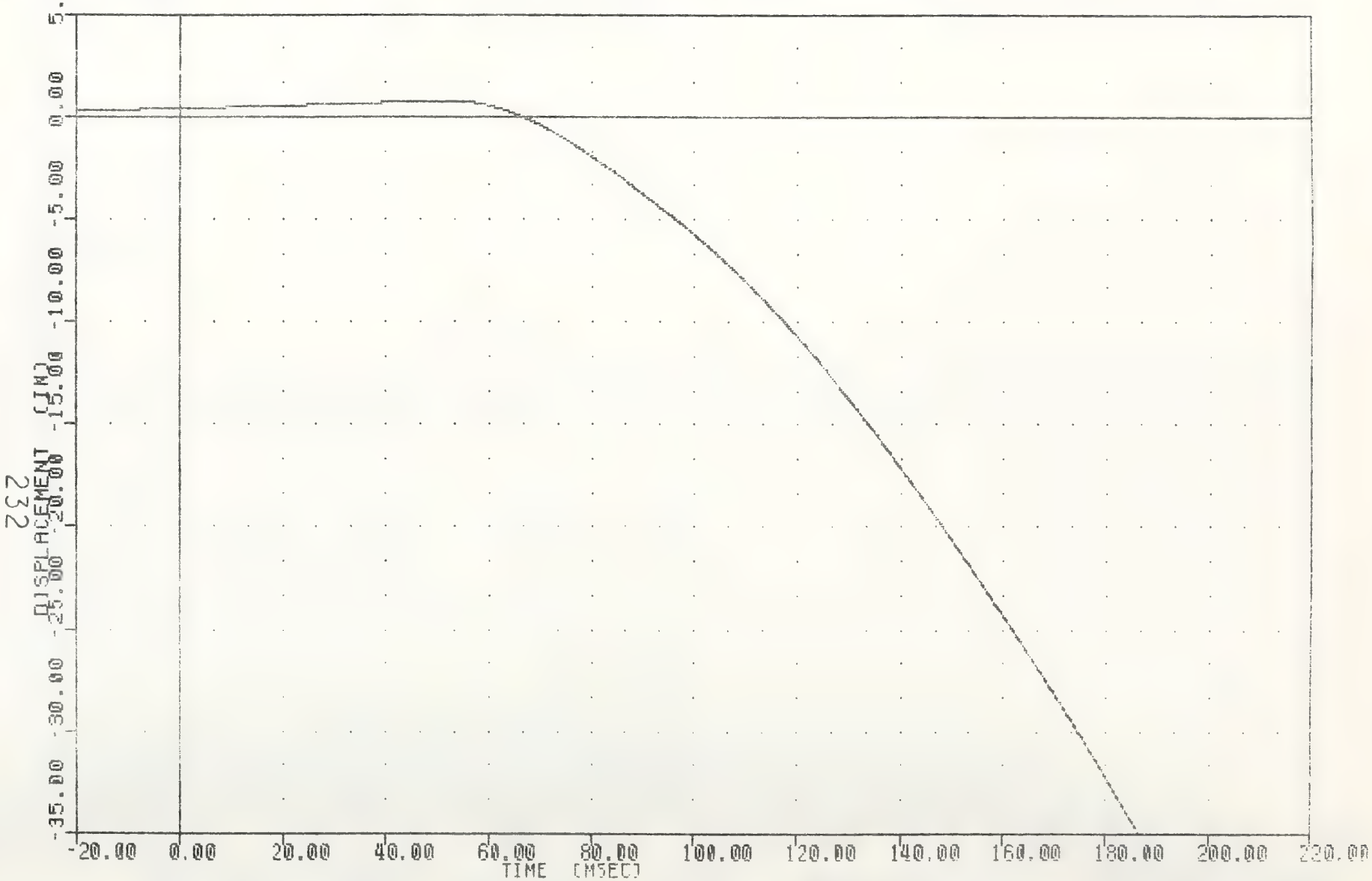
VRTC . RD384-4-1P PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = ALPF 1650/ 5214/ -40
HEDXG1 MIN. MAX VALUES = -33.34@ 58.36 , 4.00 @ 44.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION X AXIS

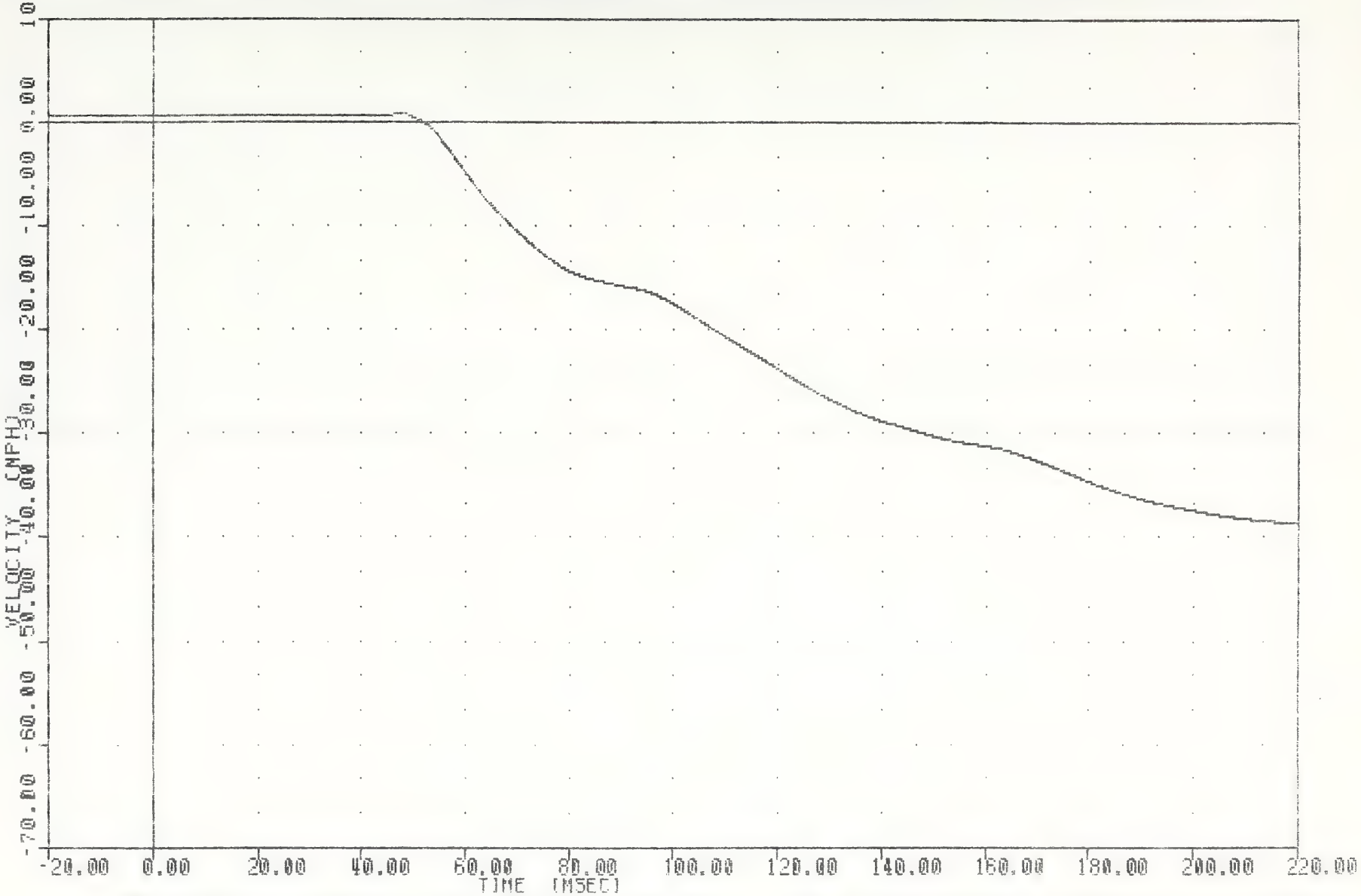
231

VRTC , RD384-4-19 PLOT DATE 25-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN, MAX VALUES = -50.11@ 220.00 , 0.76@ 51.63



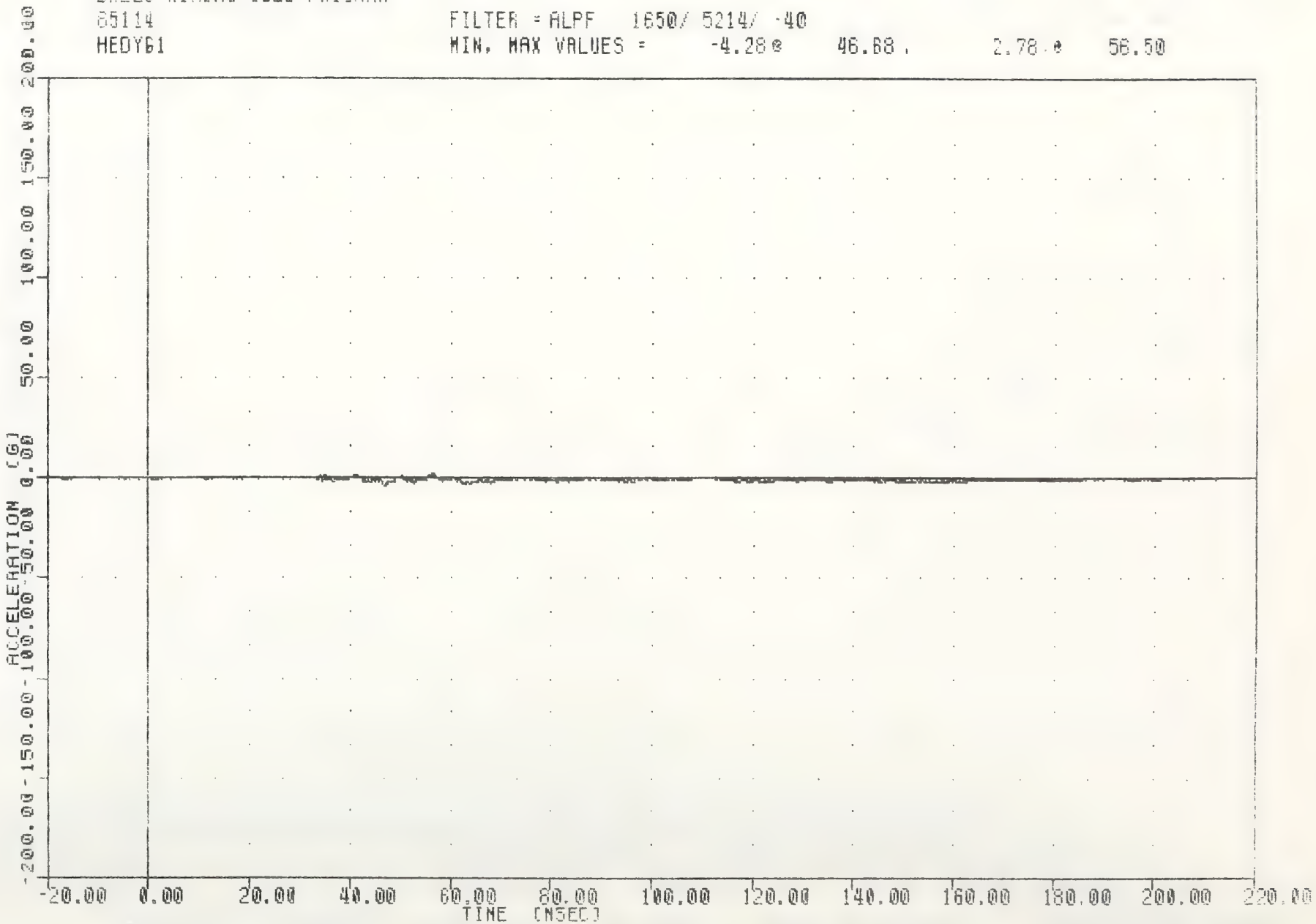
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING HEDSVI

VRTC , RD384-4-19 PLOT DATE 25-APR-85 14:19:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
HEDXV1 MIN, MAX VALUES = -38.68 @ 220.00 , 0.78 @ 47.75

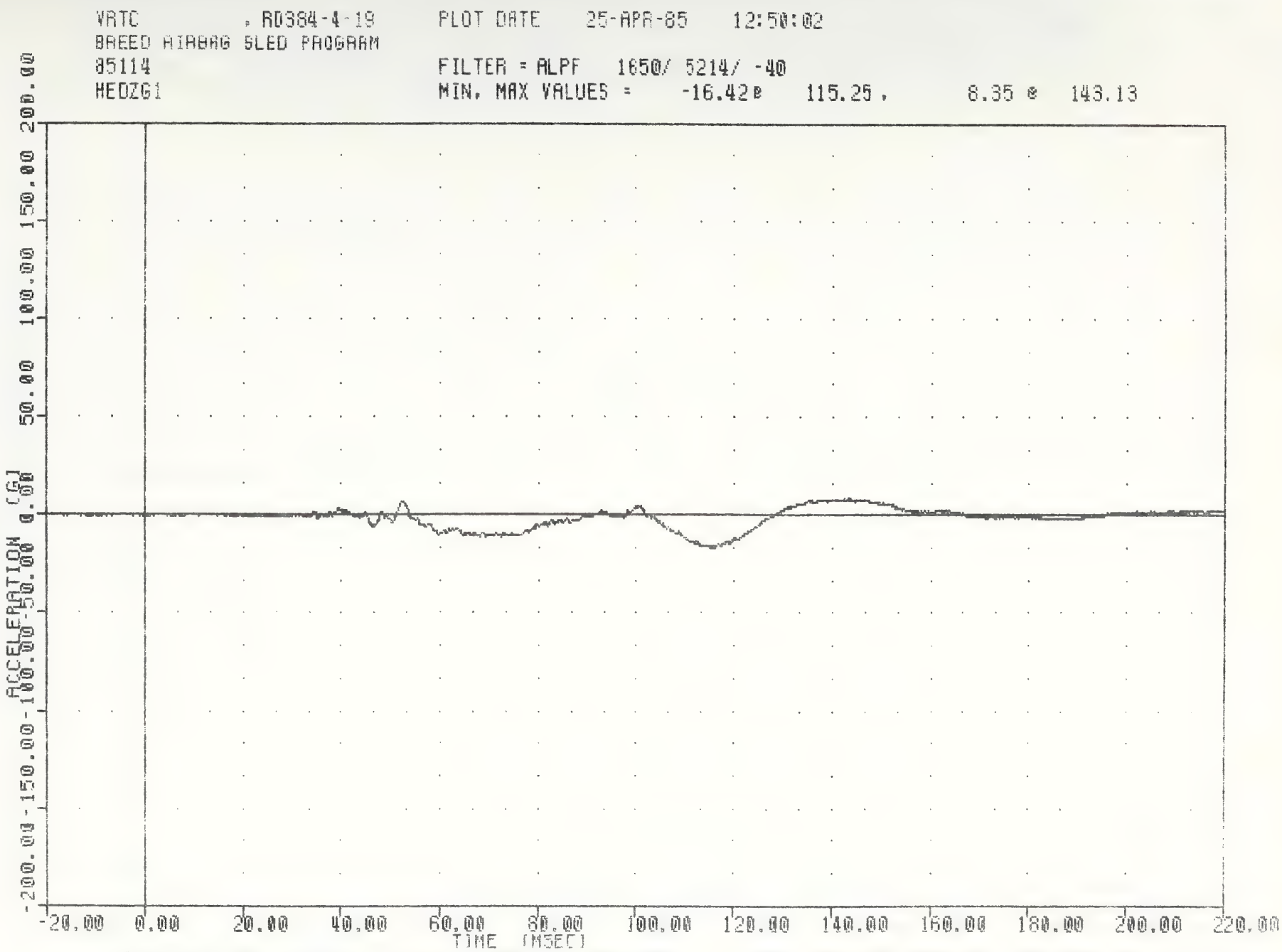


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING HEDXG1

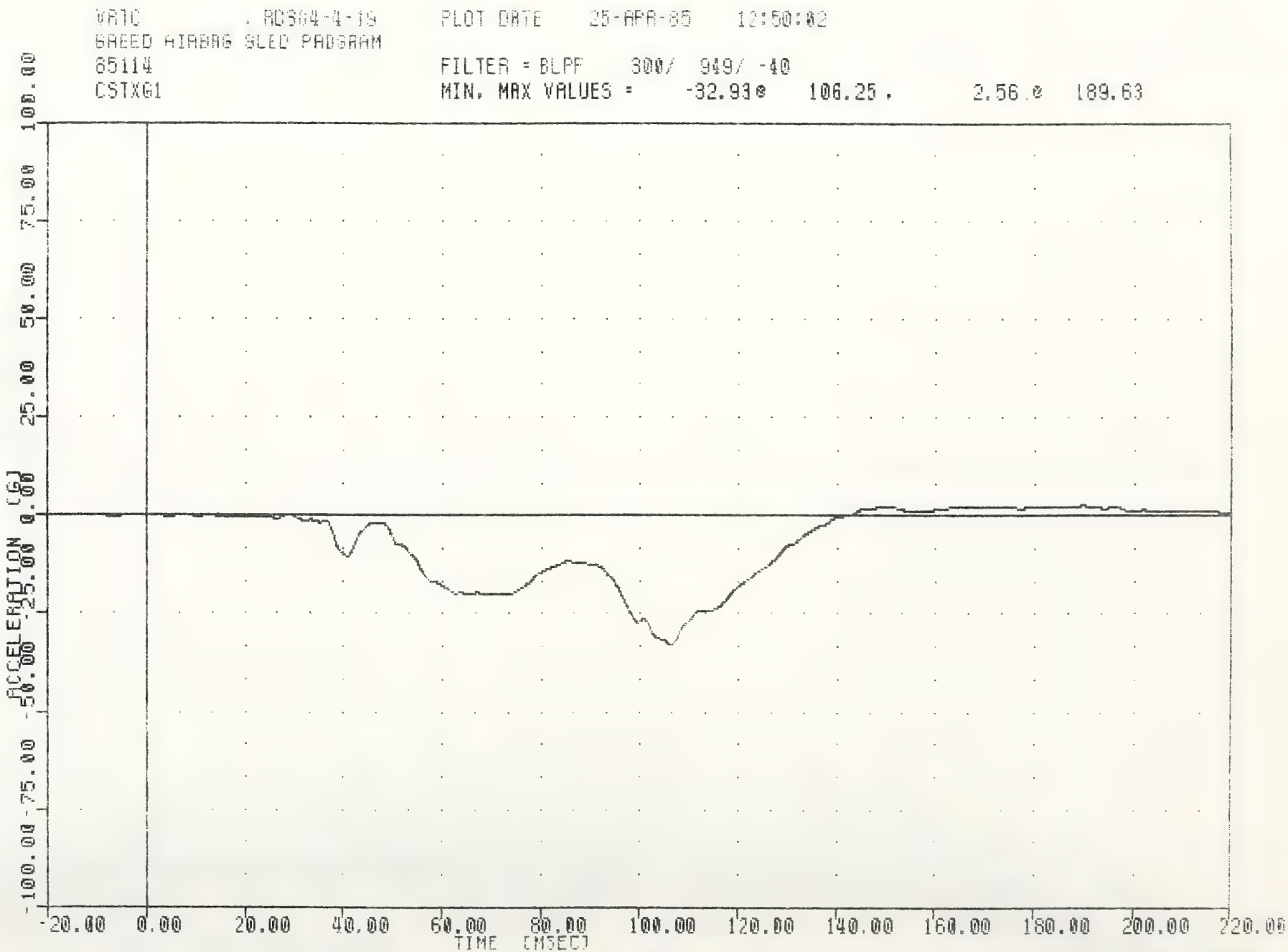
WATC . R0304-4-13 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = ALPF 1650/ 5214/ -40
HEDY61 MIN, MAX VALUES = -4.28 @ 46.88 , 2.78 @ 56.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Y AXIS

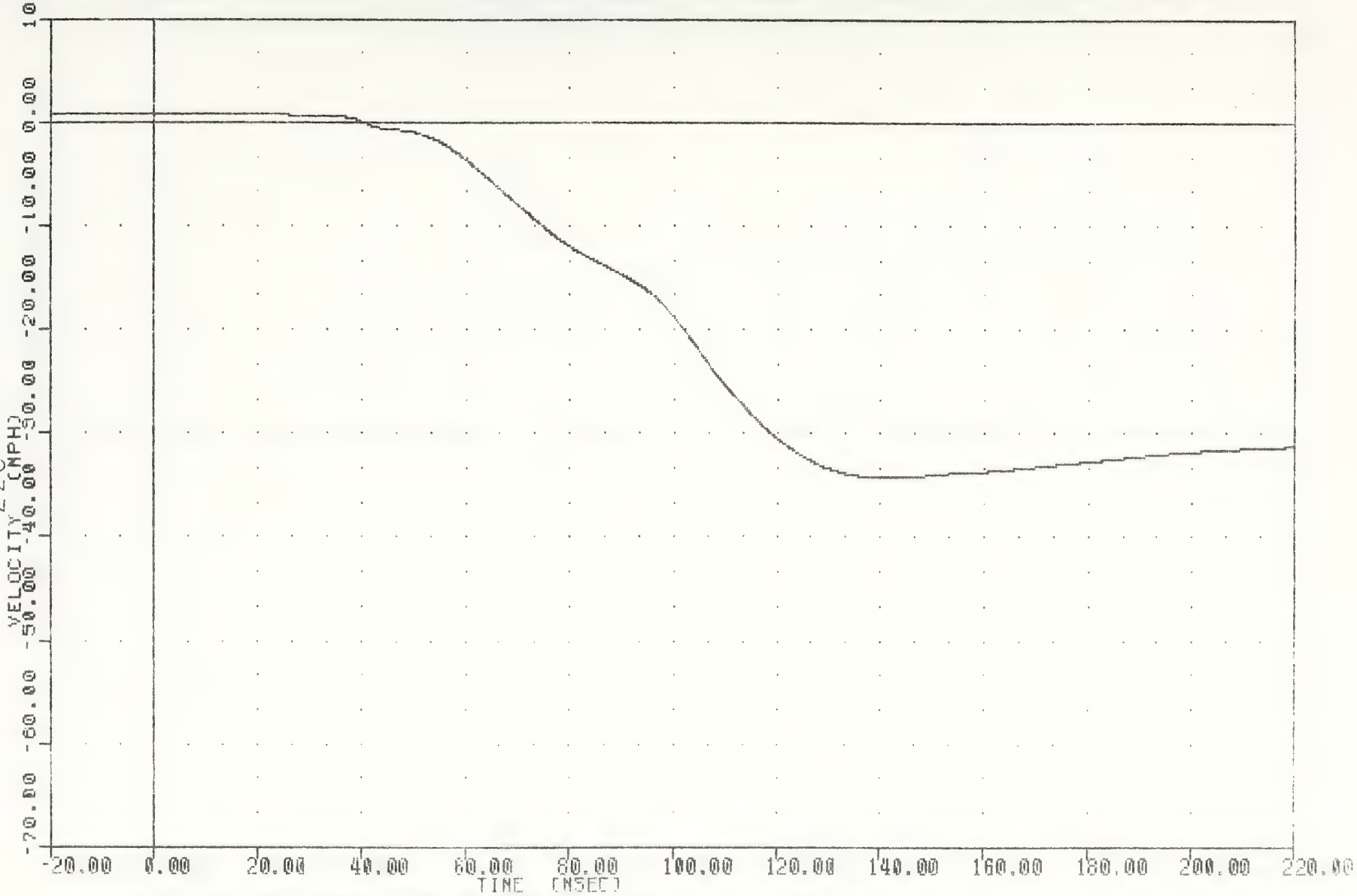


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION



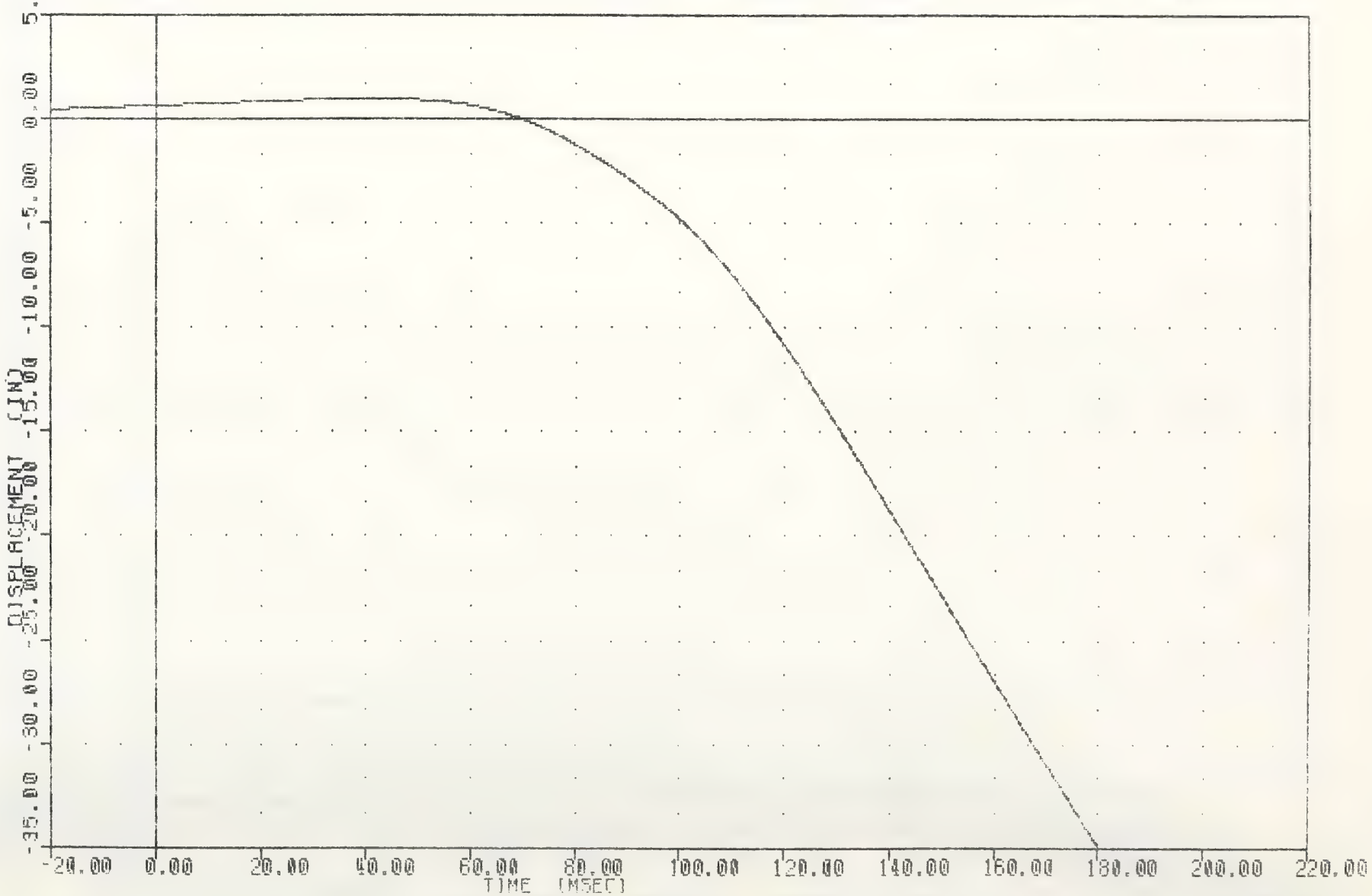
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 14:13:11
SREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
CSTXV1 MIN. MAX VALUES = -34.27 @ 142.00 , 0.62 @ -12.88

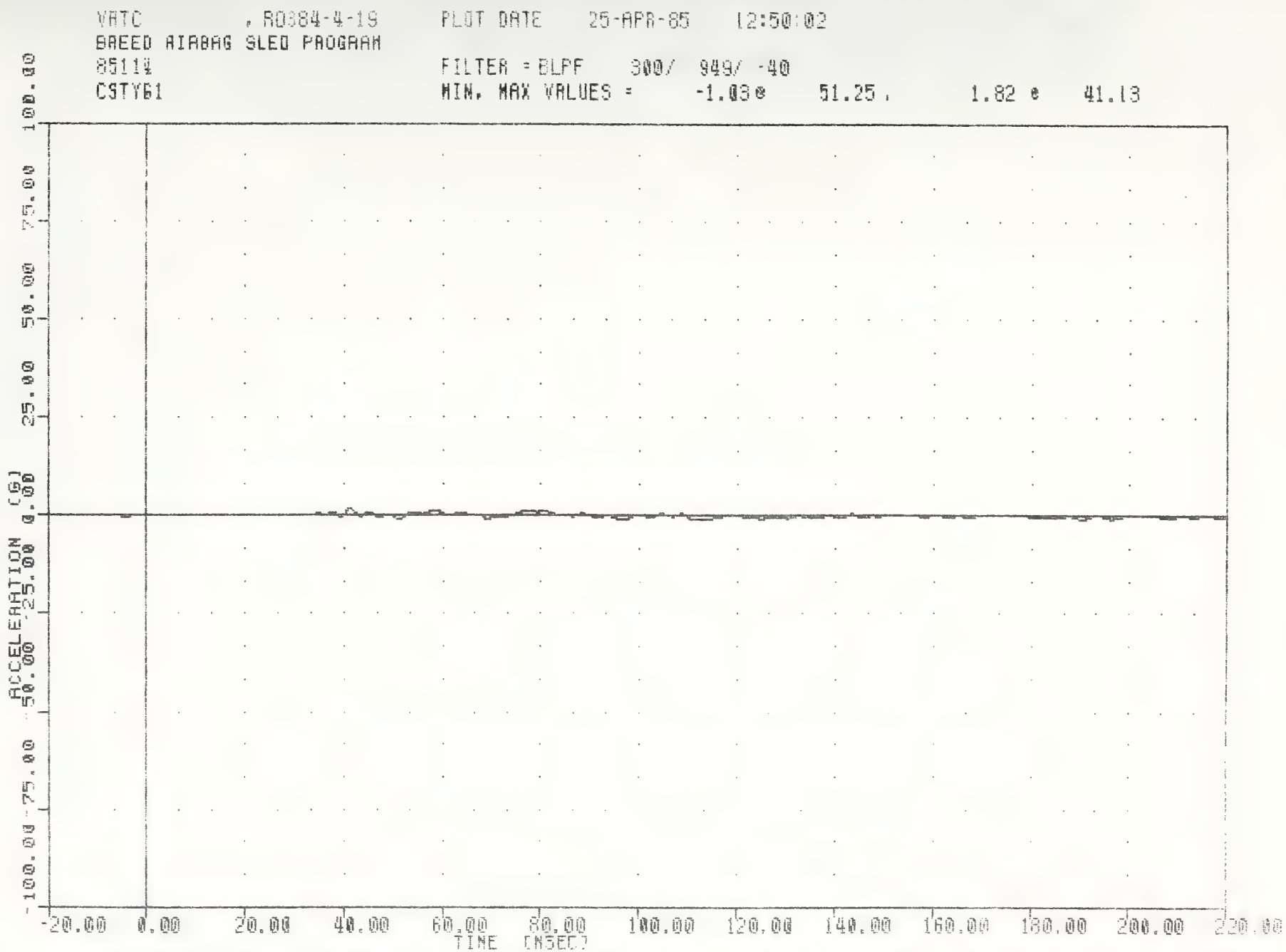


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING (STXV1)

VRTC , R0384-4-19 PLOT DATE 25-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN. MAX VALUES = -50.25 @ 220.00 , 0.96 @ 40.25

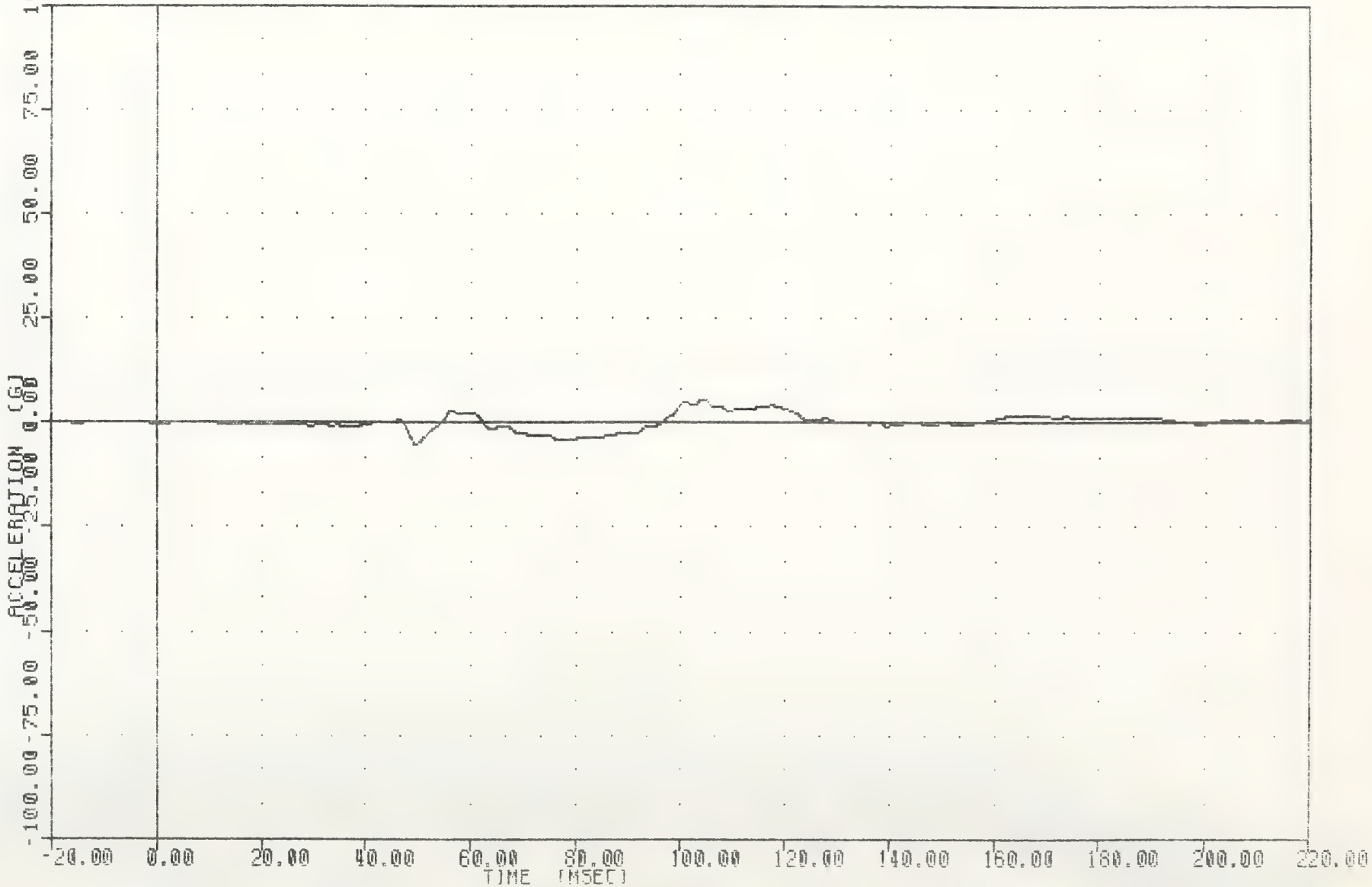


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING CSTXV1



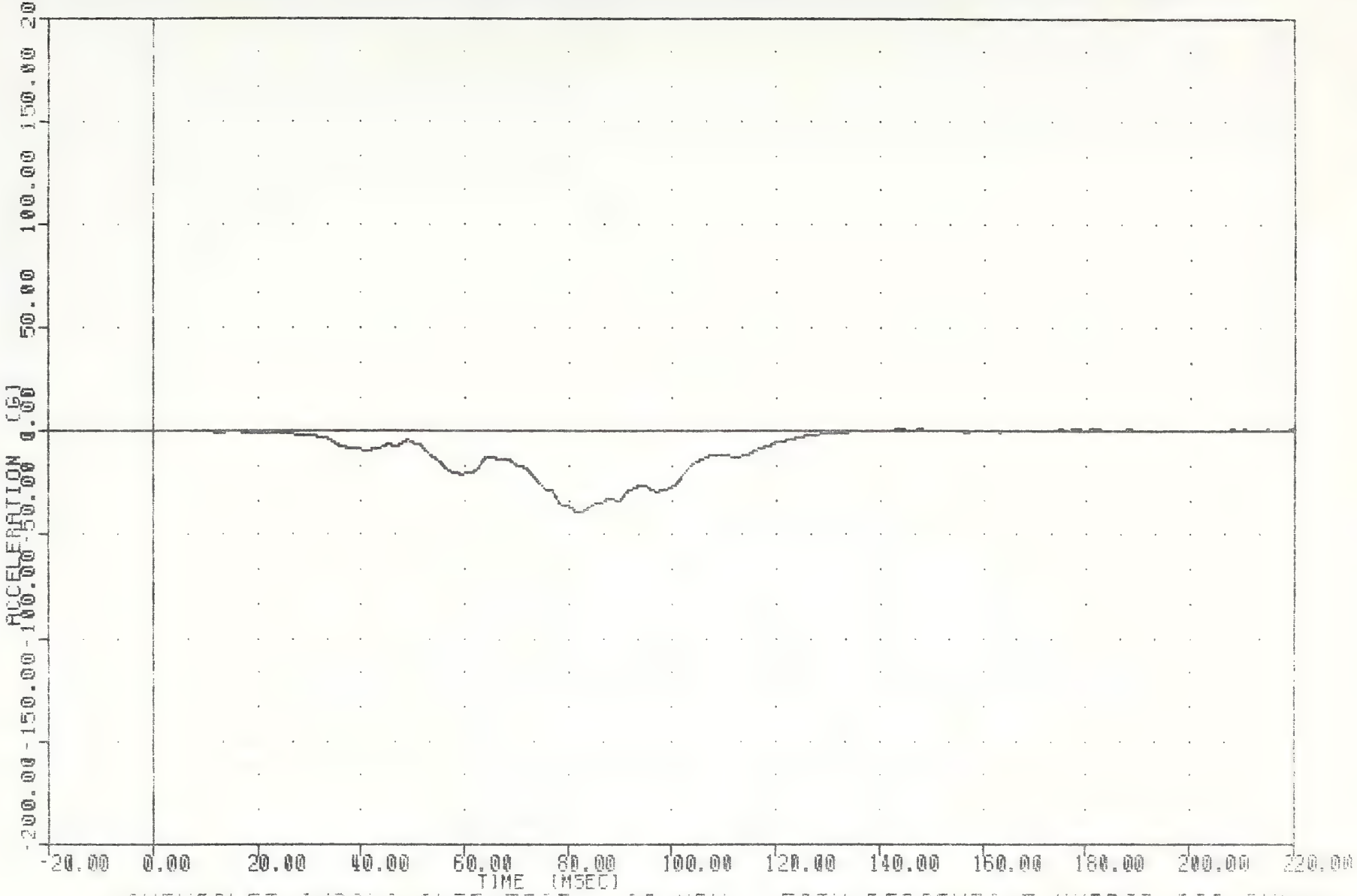
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION - AXIS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
CSTZG1 MIN, MAX VALUES = -5.14@ 49.50, 5.67@ 104.13



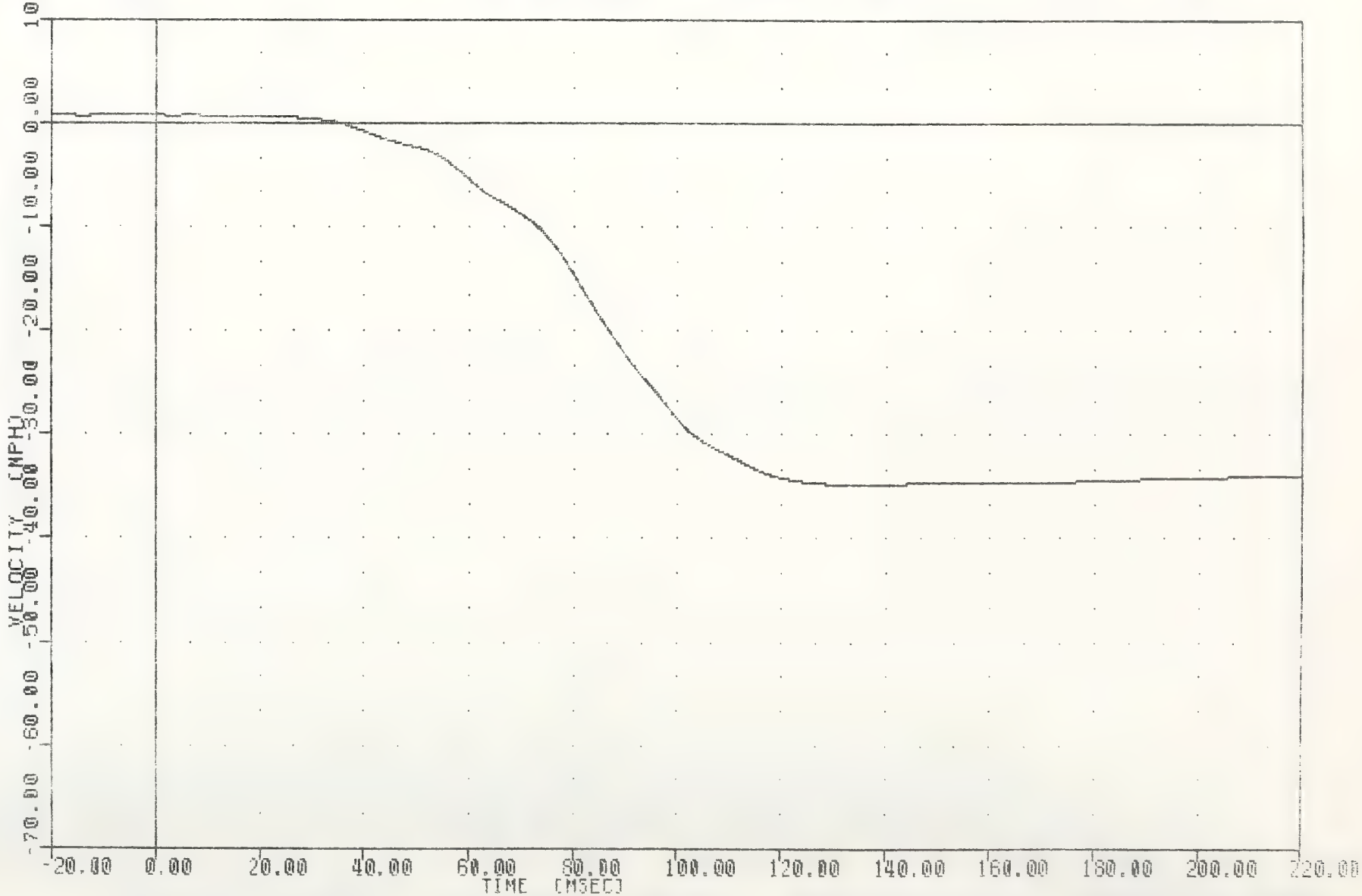
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
PEVXG1 MIN. MAX VALUES = -39.12@ 81.88 , 1.46 @ 143.88



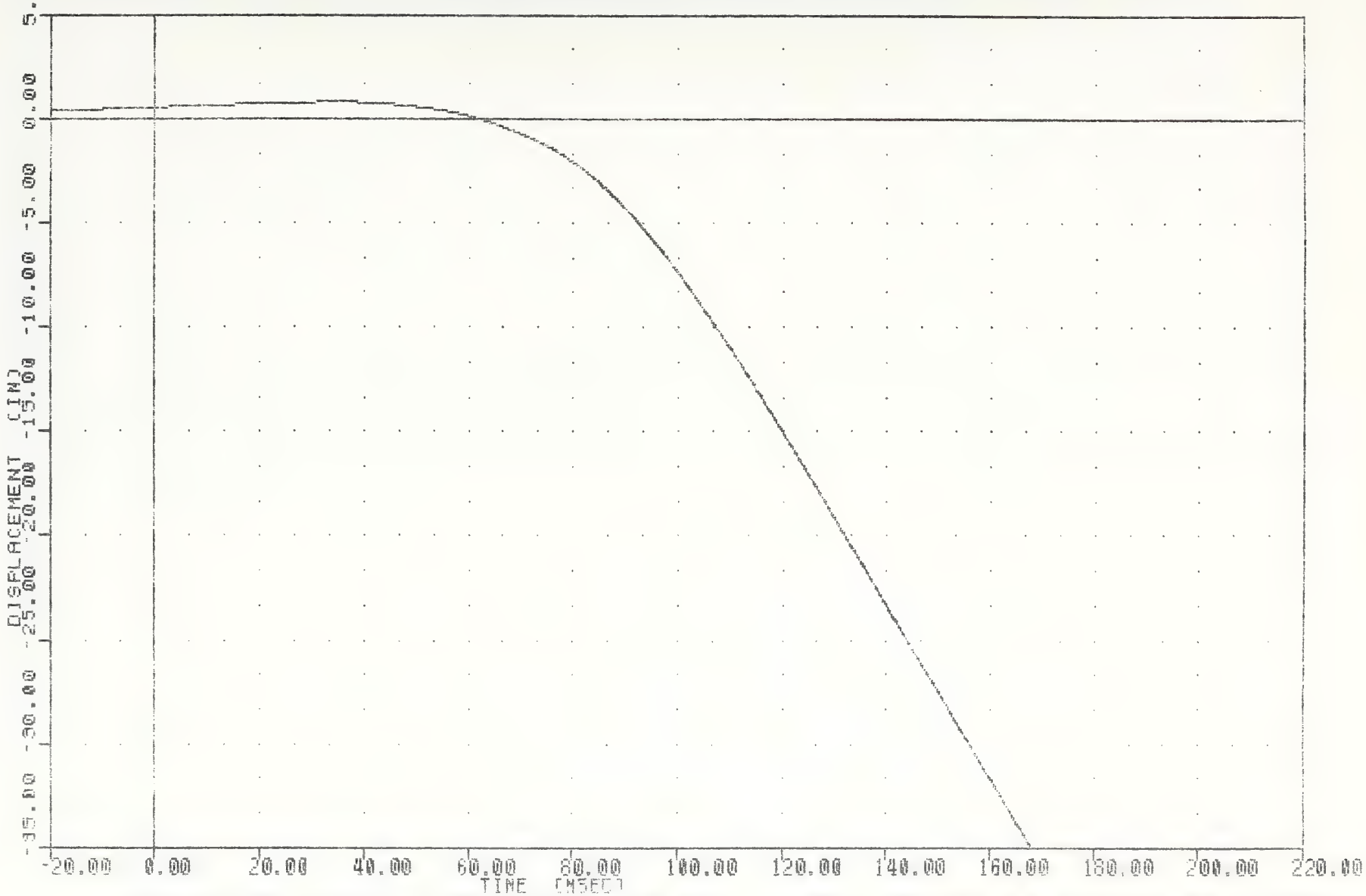
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-19 PLOT DATE 28-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
PEVXV1 MIN, MAX VALUES = -34.82@ 134.88 , 0.72@ -1.88

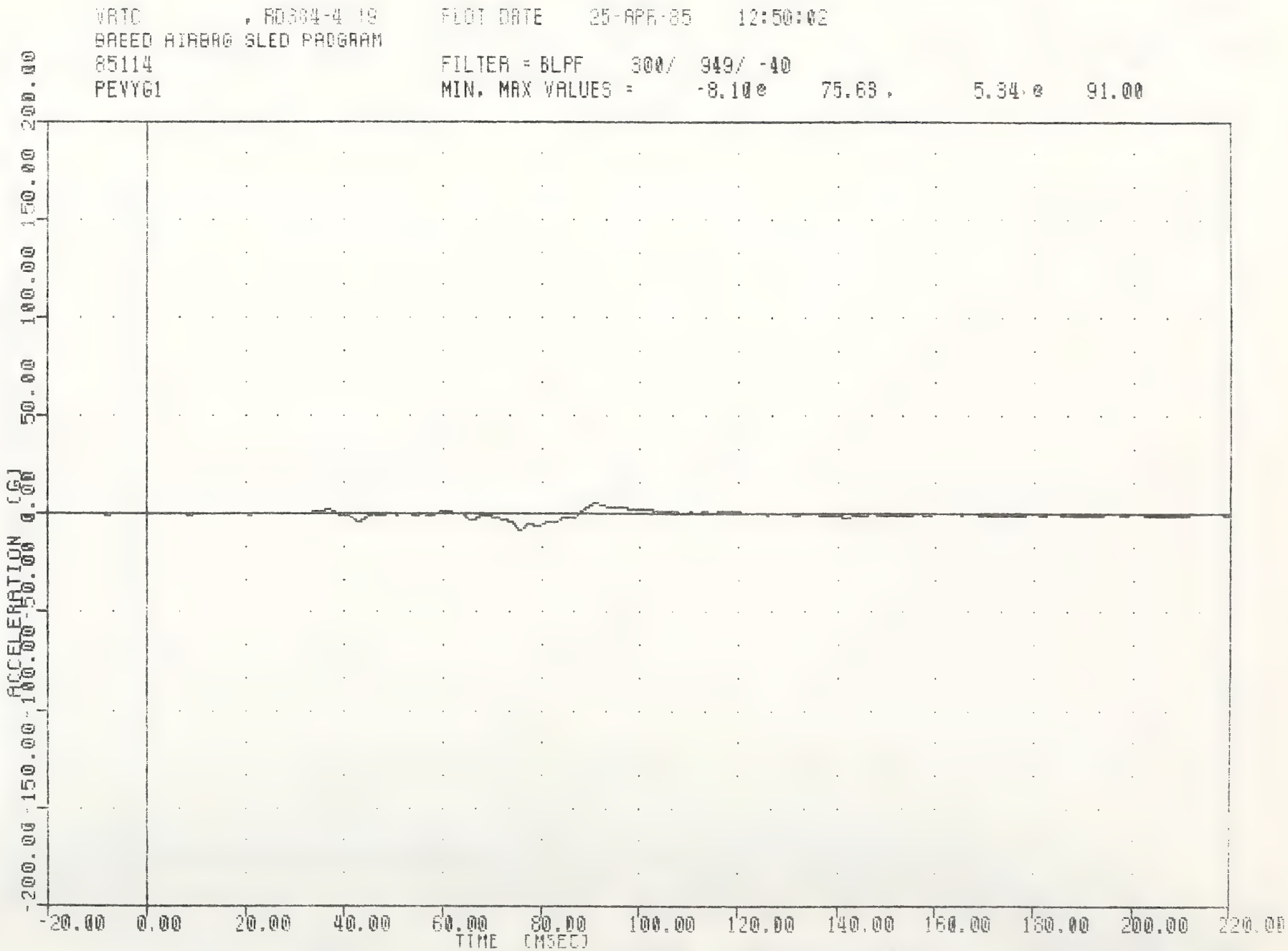


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEVXG1

VATC , RD384-4-19 PLOT DATE 25-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
PEVX01 MIN, MAX VALUES = -56.36 @ 220.00 , 0.78 @ 35.25

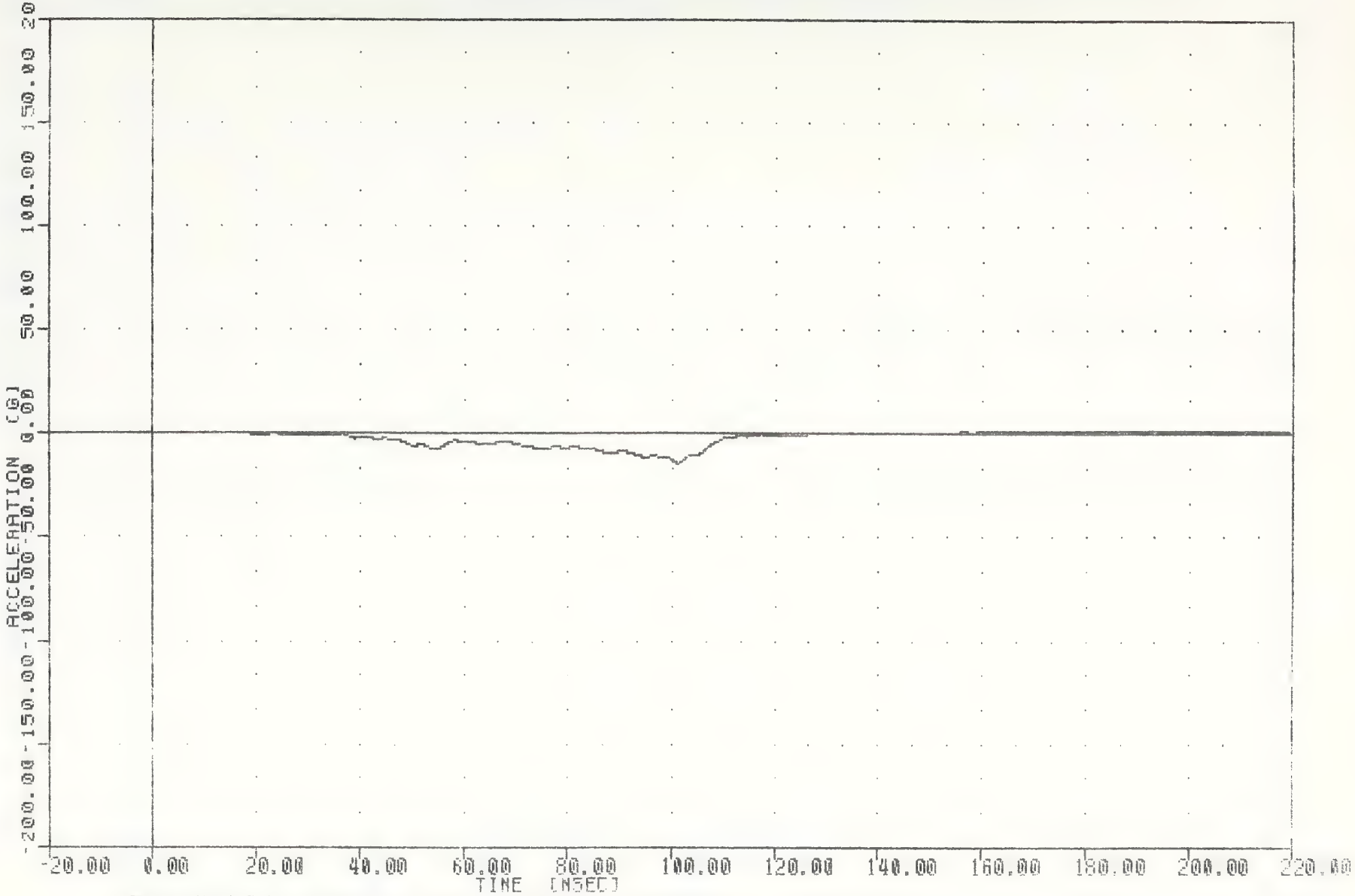


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
CELTH X USING PEVXV1

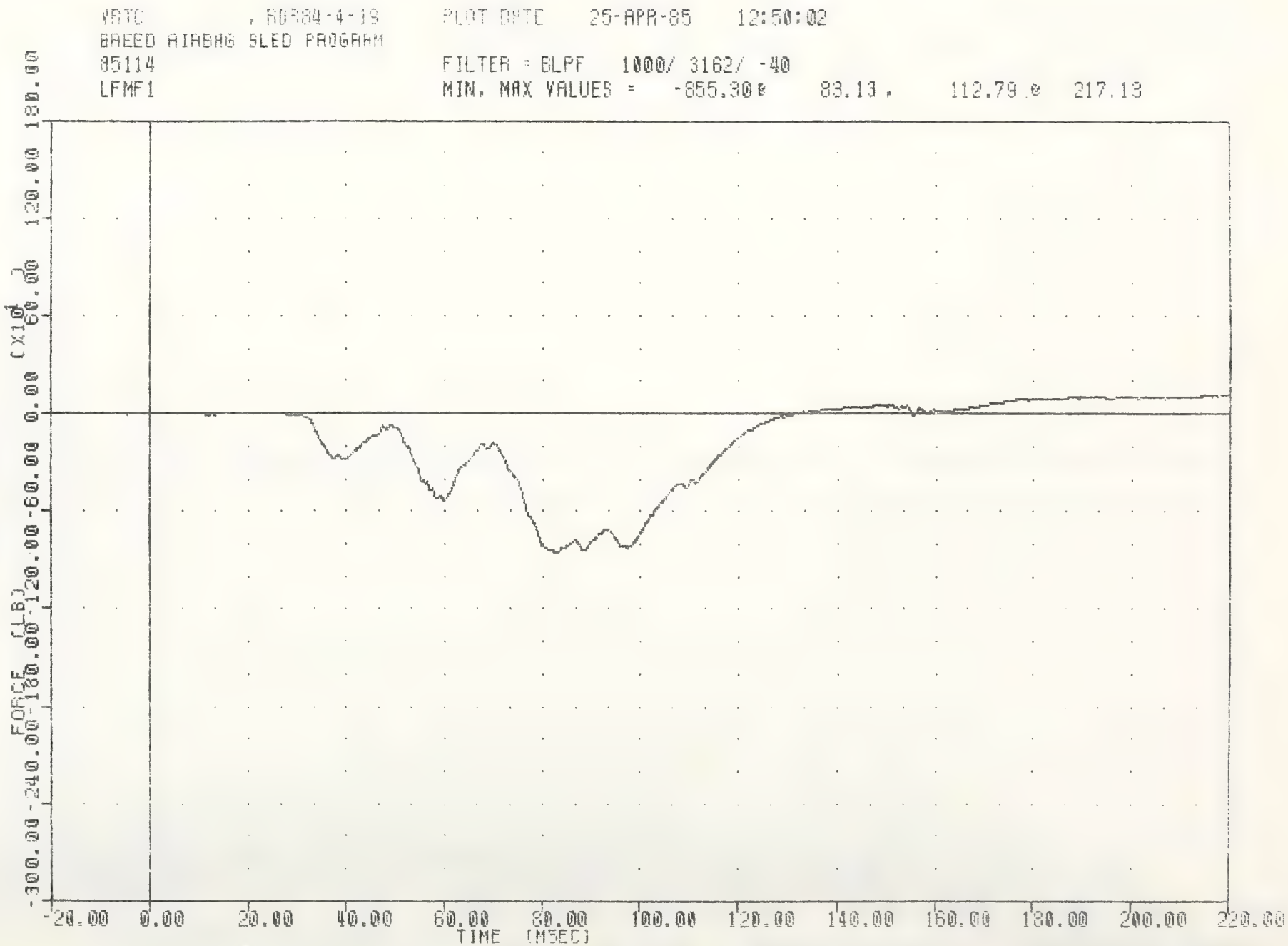


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

WRTC . R0384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
PEVZG1 MIN. MAX VALUES = -14.15 @ 101.00 , 1.66 @ 163.25

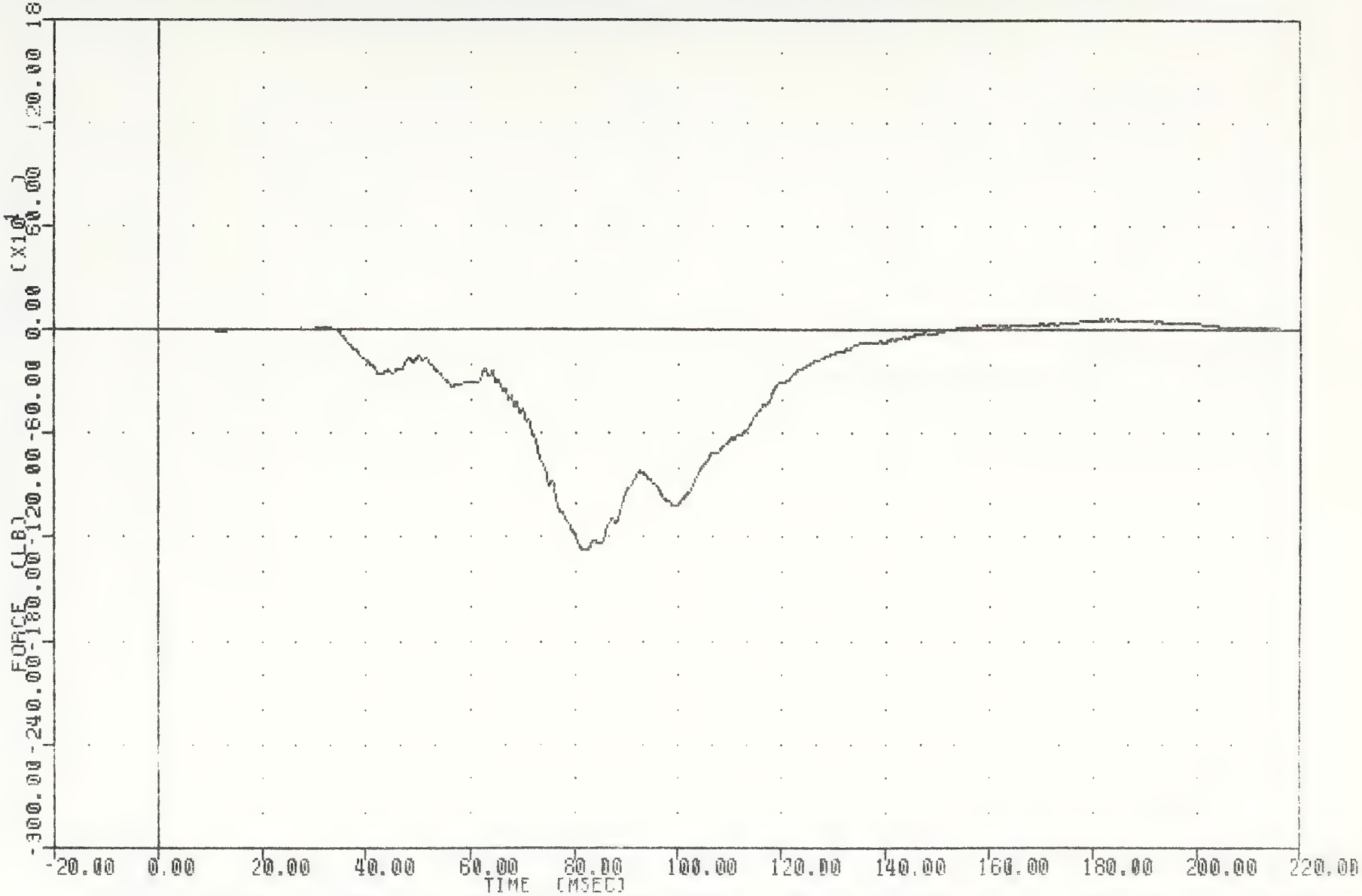


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Z AXIS



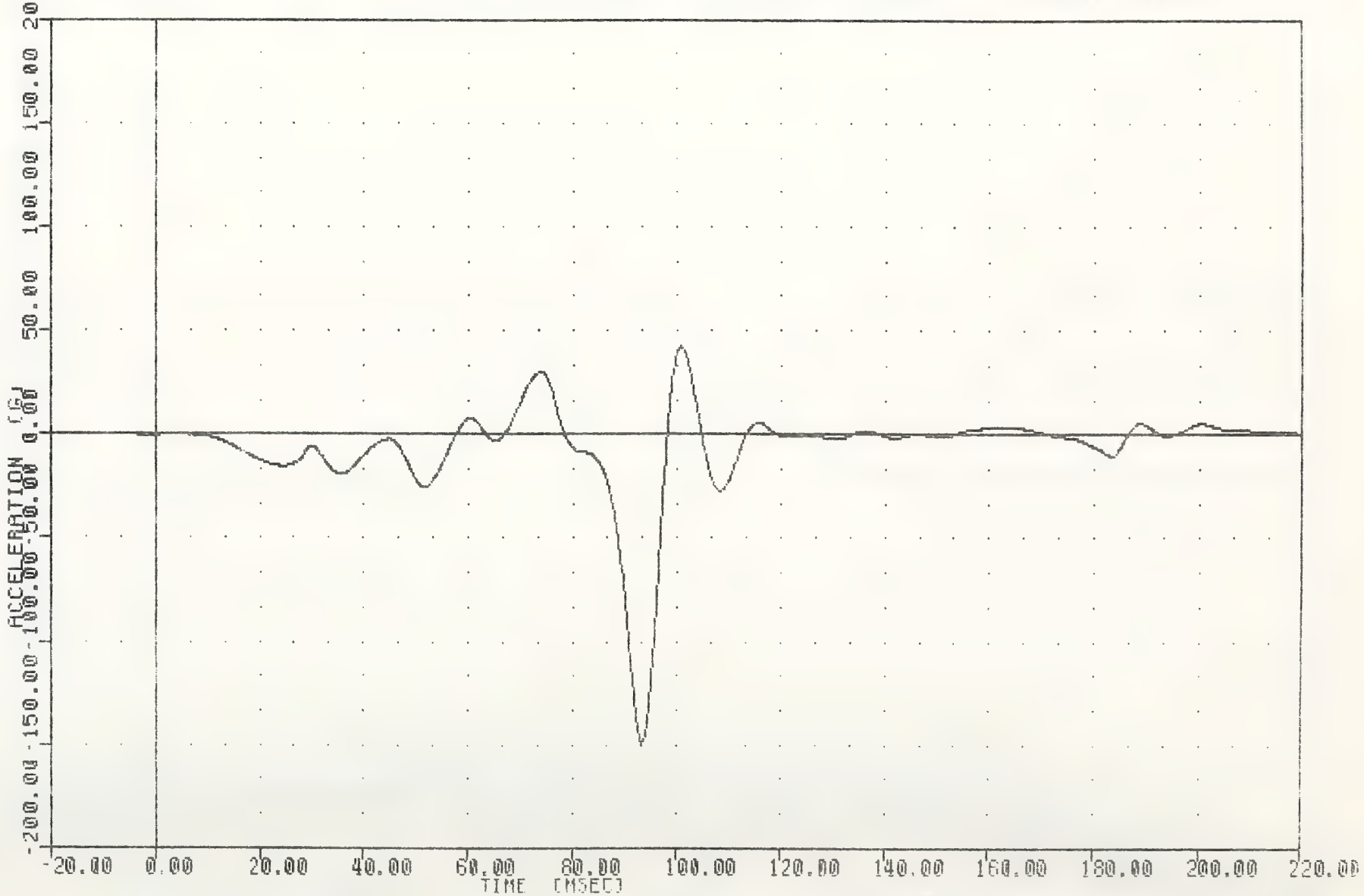
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
RFNF1 MIN, MAX VALUES = -1275.07@ 81.75 , 62.28 @ 183.50



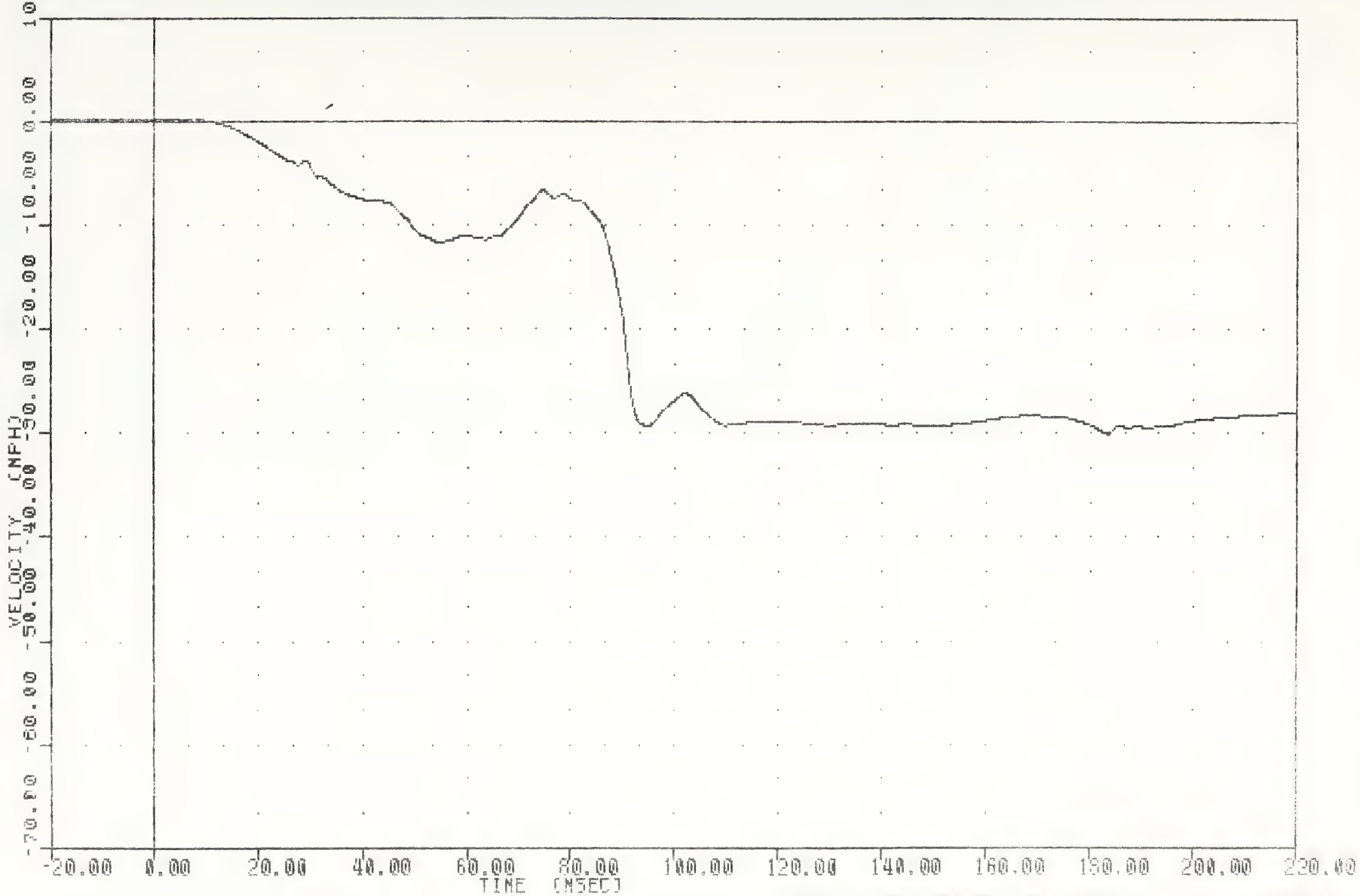
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 100/ 316/ -40
STHPG MIN, MAX VALUES = -148.83@ 93.25 , 42.22 @ 100.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

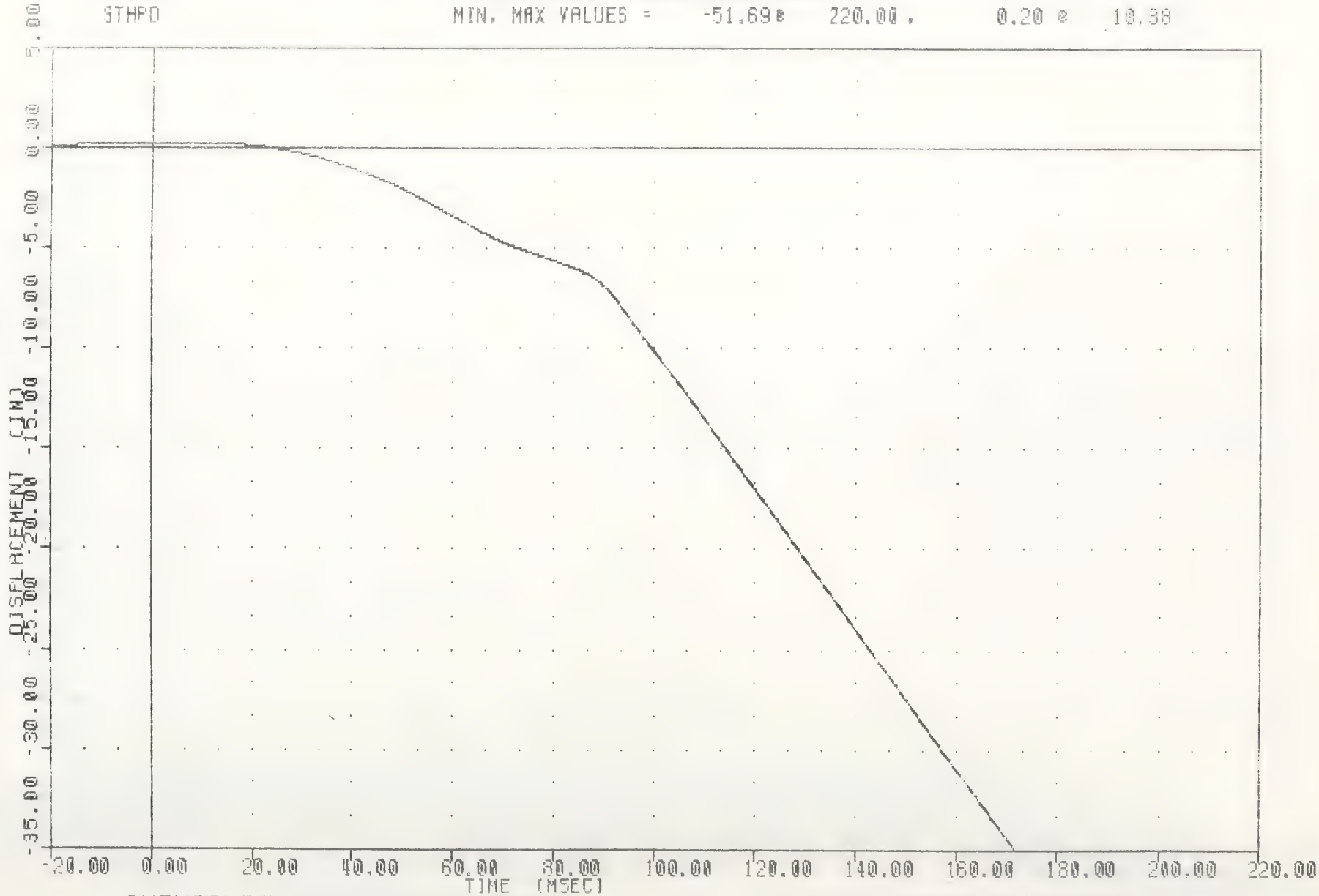
VRTC . RD384-4-19 PLOT DATE 25-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
STHPV MIN. MAX VALUES = -30.06 @ 183.50 , 0.24 @ -10.63



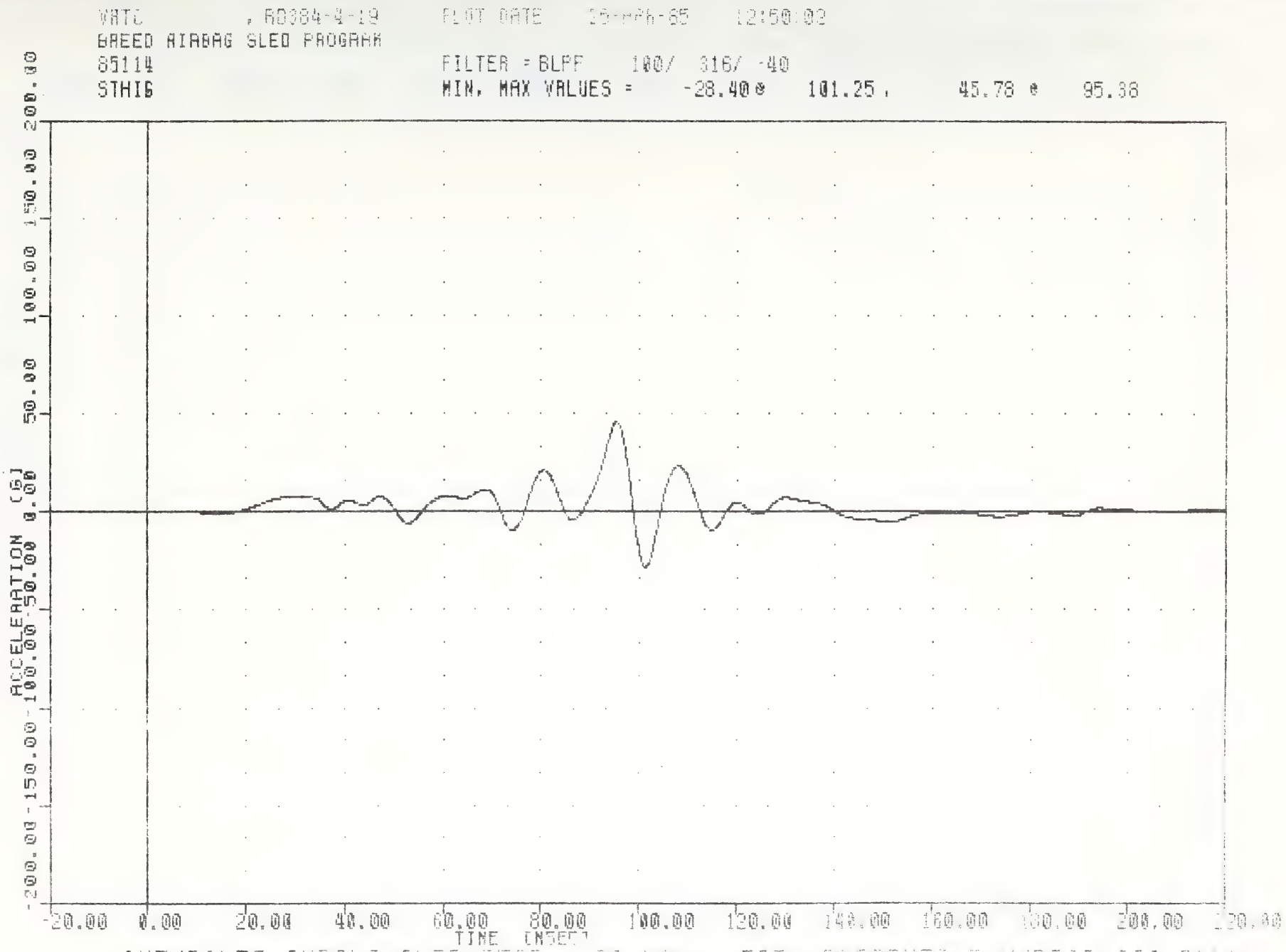
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING STHPV

VRTF , RUSP4-4-19
BREED AIRBAG SLED FADBAM
85114
STHPD

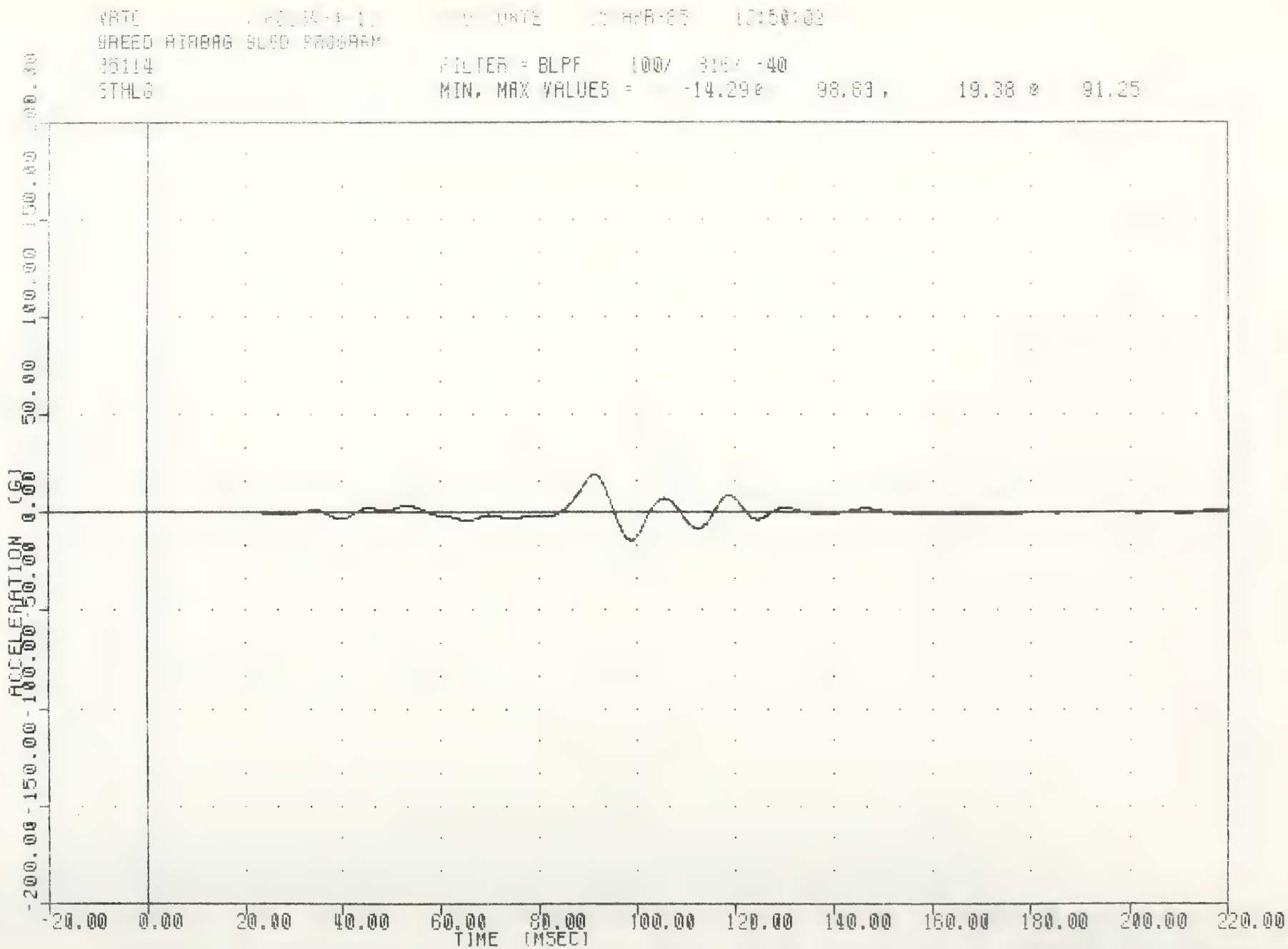
FILTER = SLPF 300/ 949/ -40
MIN, MAX VALUES = -51.69 @ 220.00 , 0.20 @ 10.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING STHPV

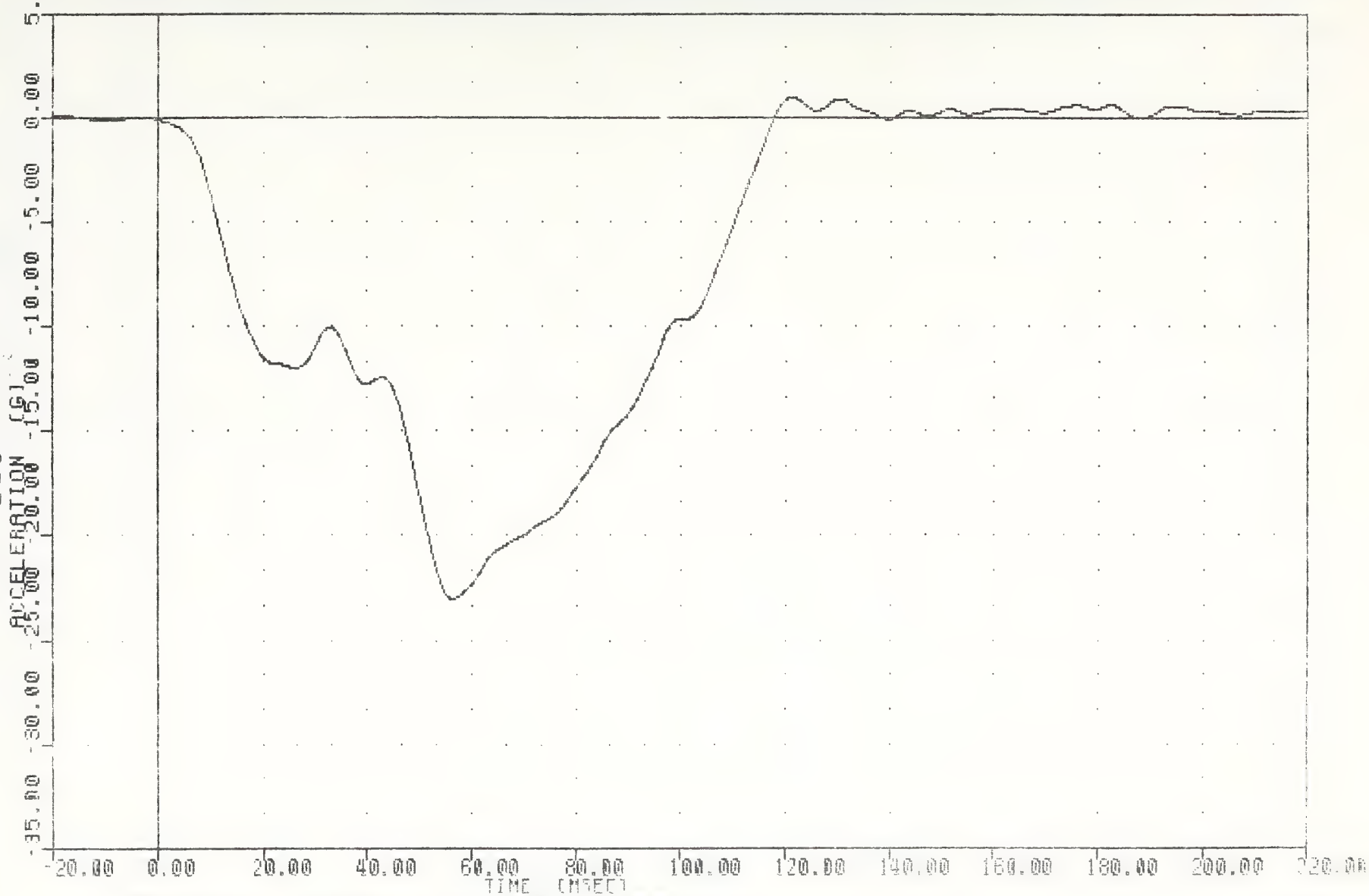


CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUMMY



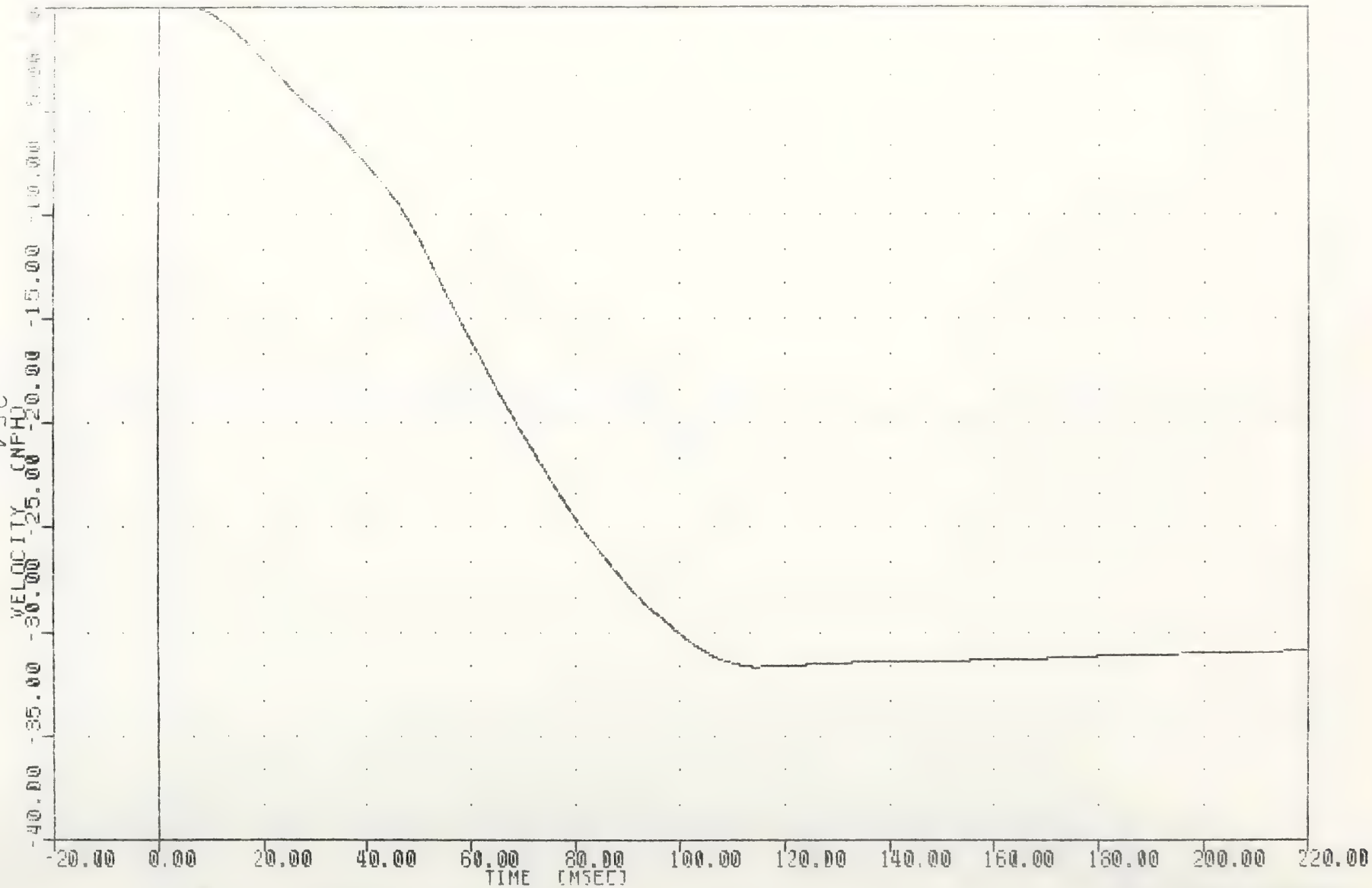
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB ACCELERATION M I AXIS

WRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 100/ 316/ -40
LPBXG MIN, MAX VALUES = -23.02@ 56.38 , 0.95 @ 121.13



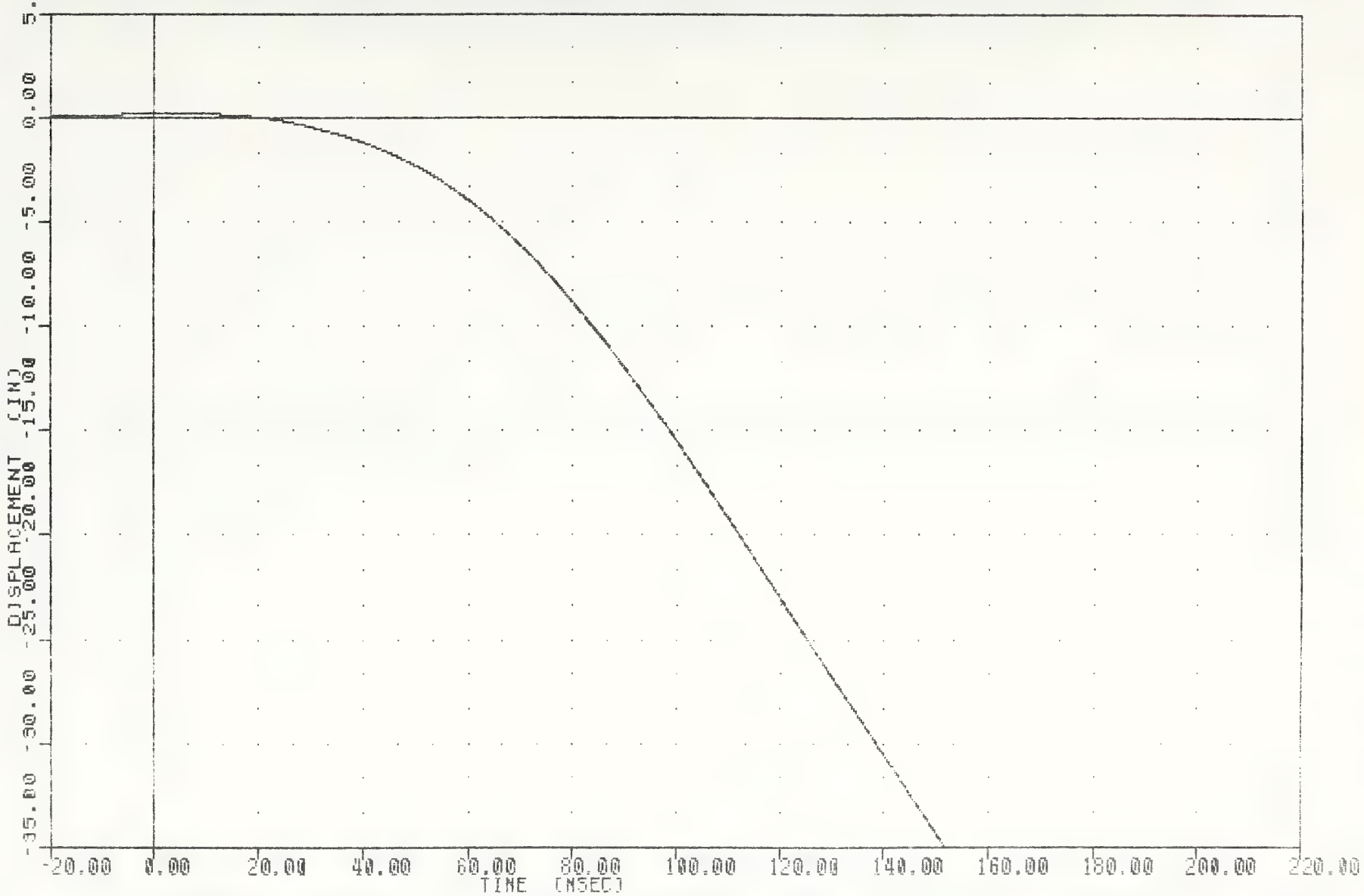
CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR ACCELERATION

BAEED AIRBAG SLED PROGRAM
85114 FILTER = SLFF 300, 340, -40
LPBXV MIN, MAX VALUES = -31.70@ 114.36, 0.21 @ -19.13

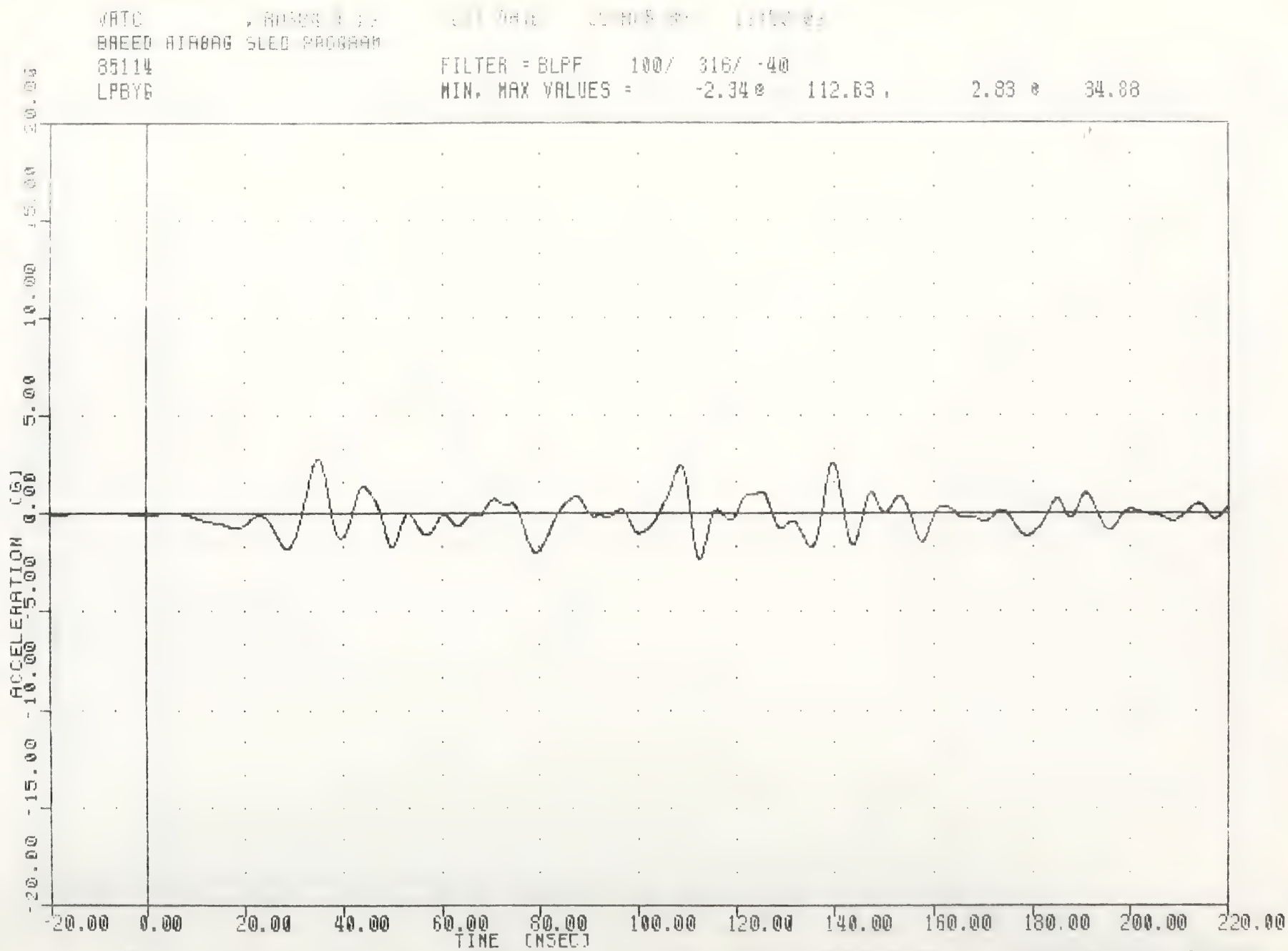


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING LPBXG

VATC , RD384-4-19 PLOT DATE 25-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
LPBXD MIN, MAX VALUES = -60.51 @ 220.00 , 0.16 @ 6.63

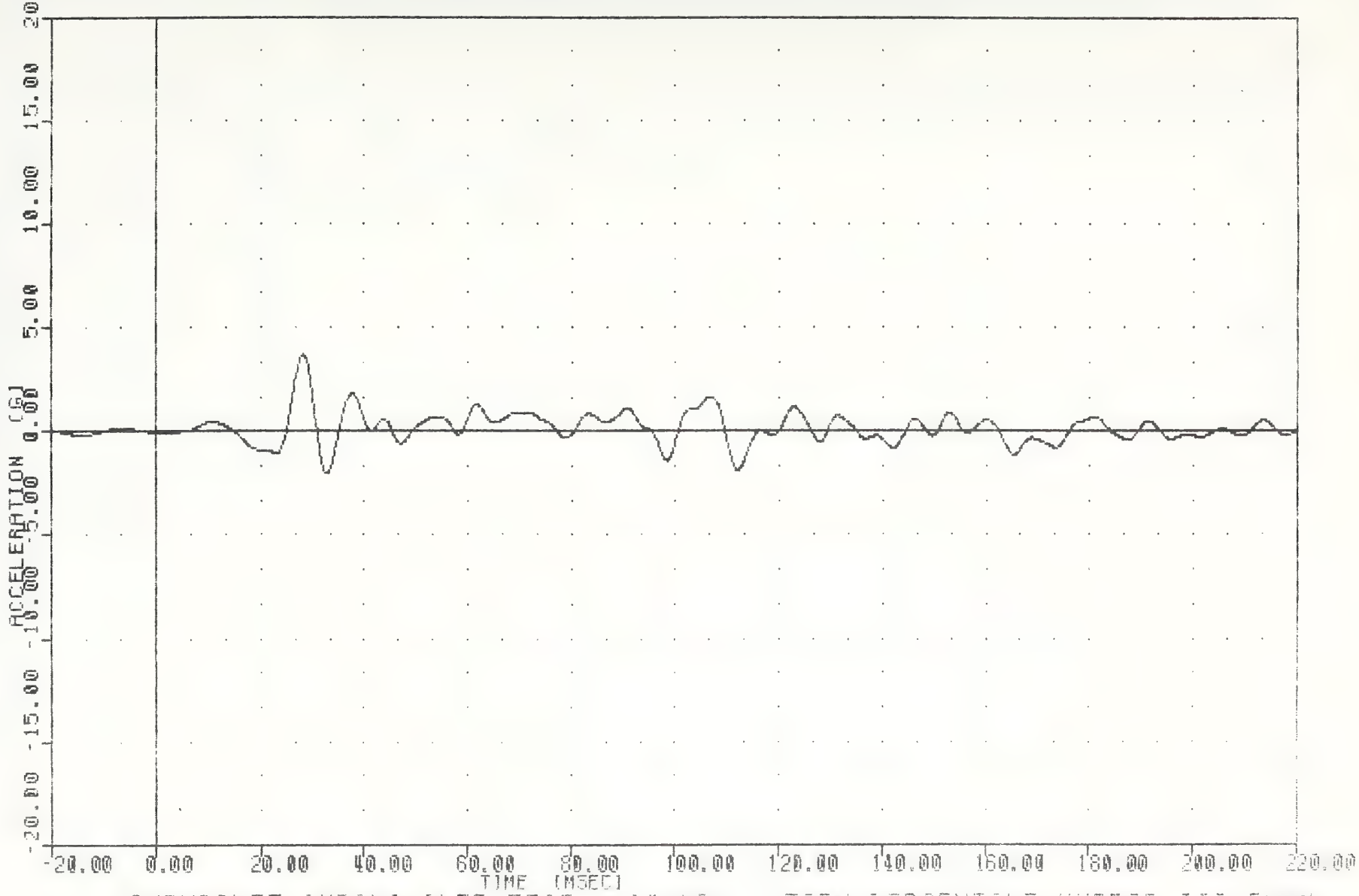


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING LPBXV

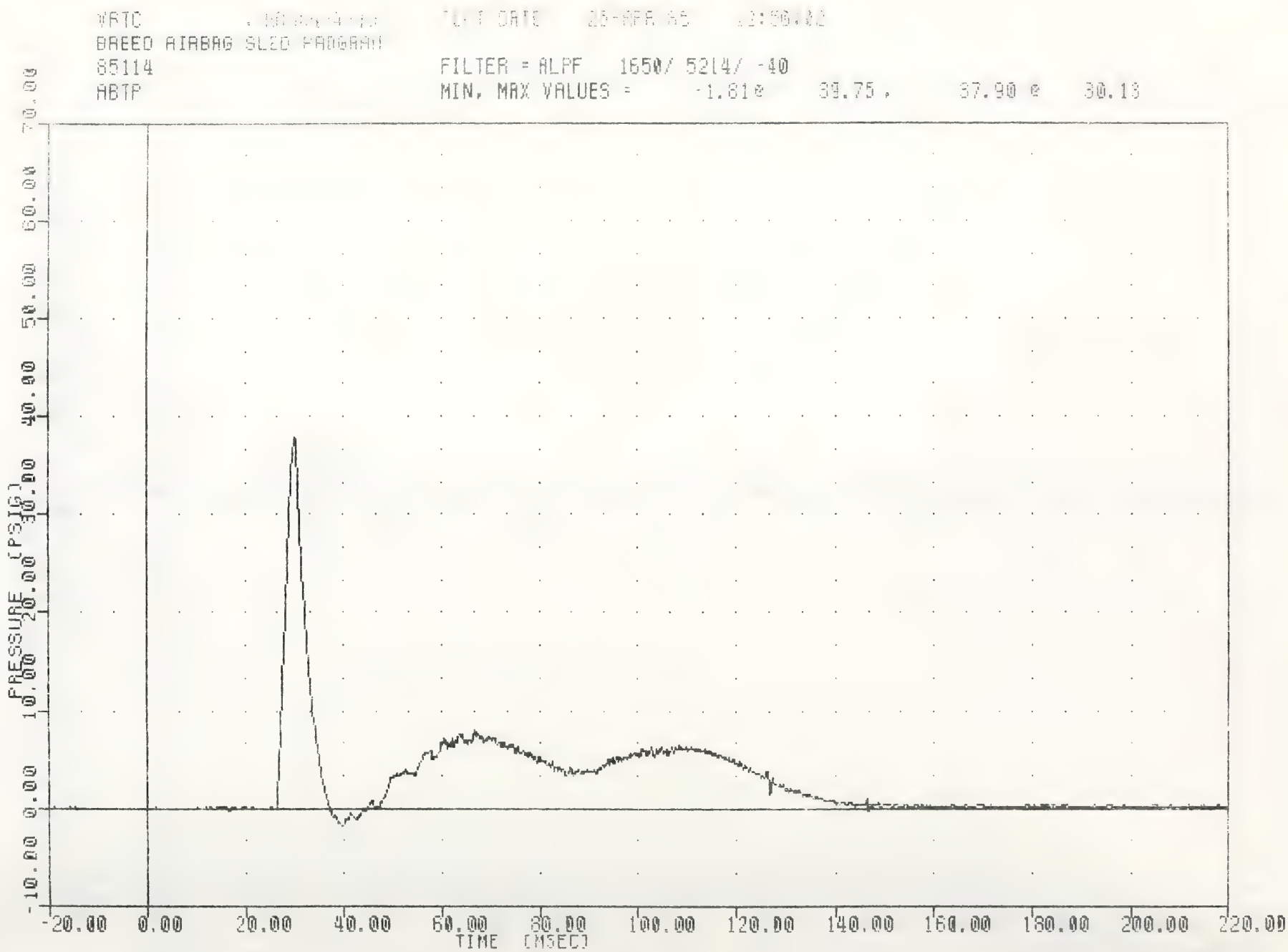


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 100/ 316/ -40
LPBZG MIN, MAX VALUES = -2.04 @ 32.75 , 3.70 @ 28.13

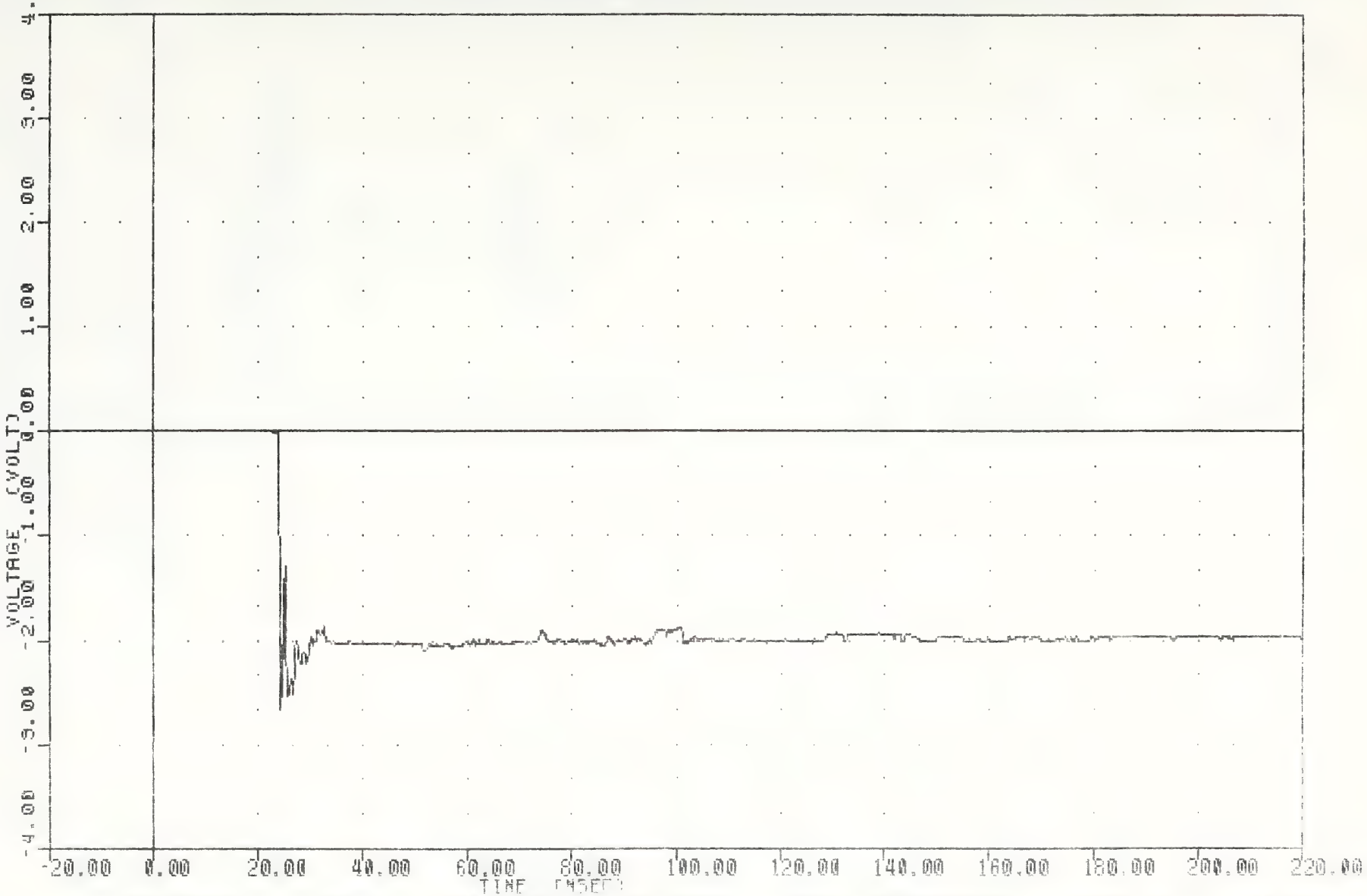


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION - X-AXIS



CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
AIRBAG PRESSURE

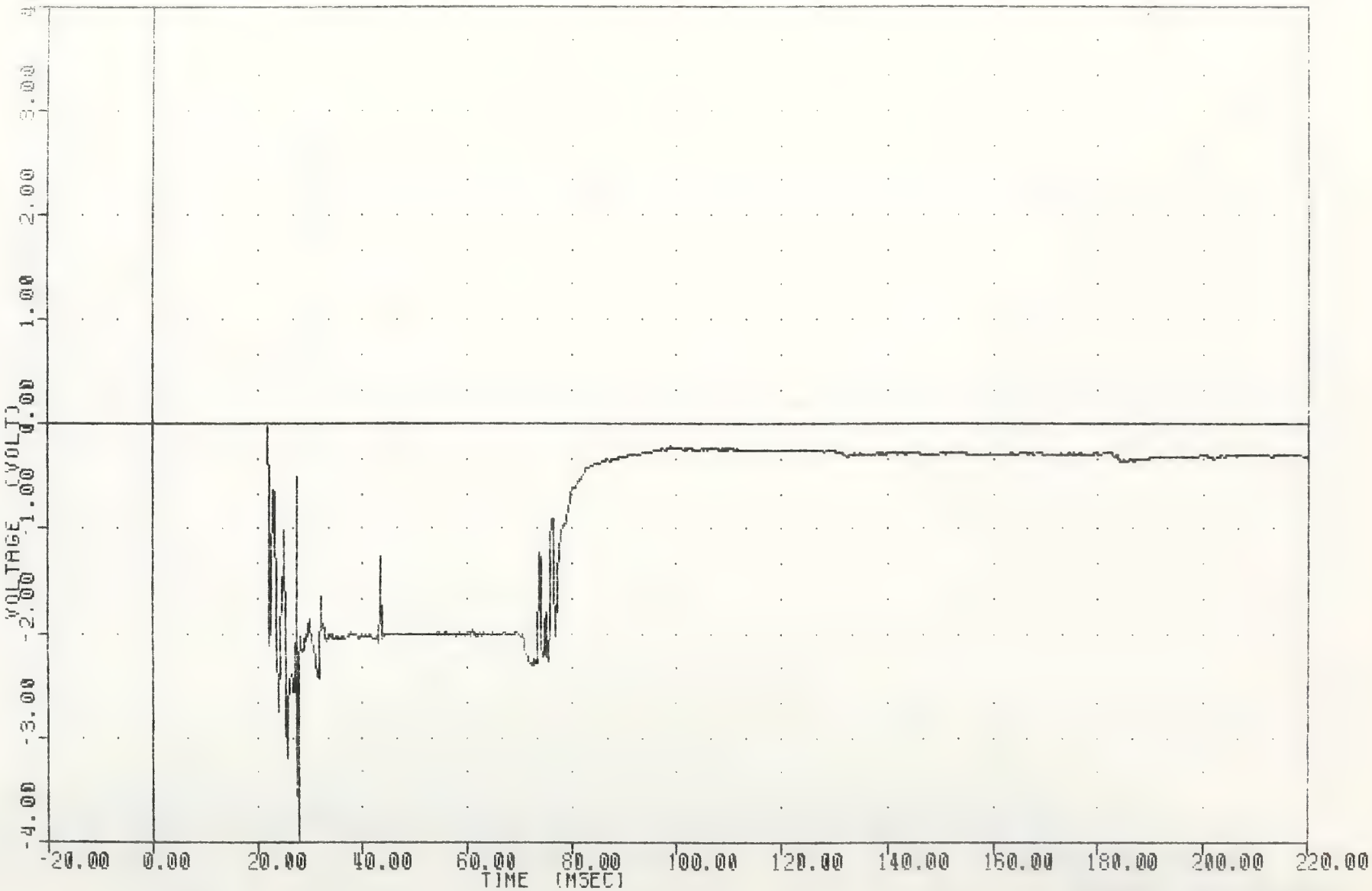
VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = ALPF 1650/ 5214/ -40
ABT1 MIN. MAX VALUES = -2.68 @ 24.25 , 0.00 @ -11.13



CHEVROLET IMPALA SLED TEST - 56 MPH - 50th PERCENTILE HYBRID III DUMMY
SEATBELT [illegible]

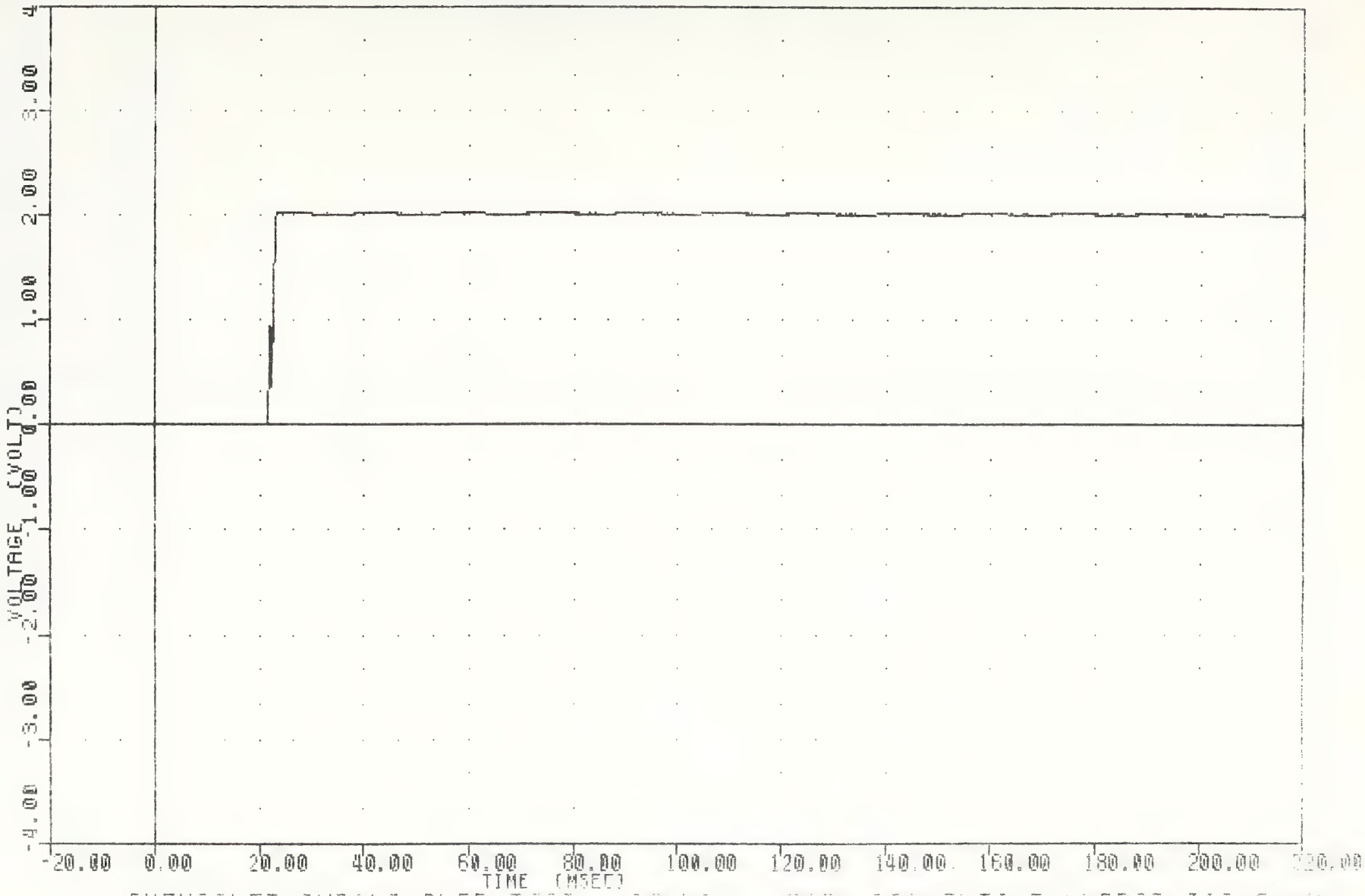
VRTC , R0384-4-19
BREED AIRBAG SLED PROGRAM
85114
RBT2

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -4.20@ 27.75 , 0.00 @ -12.38

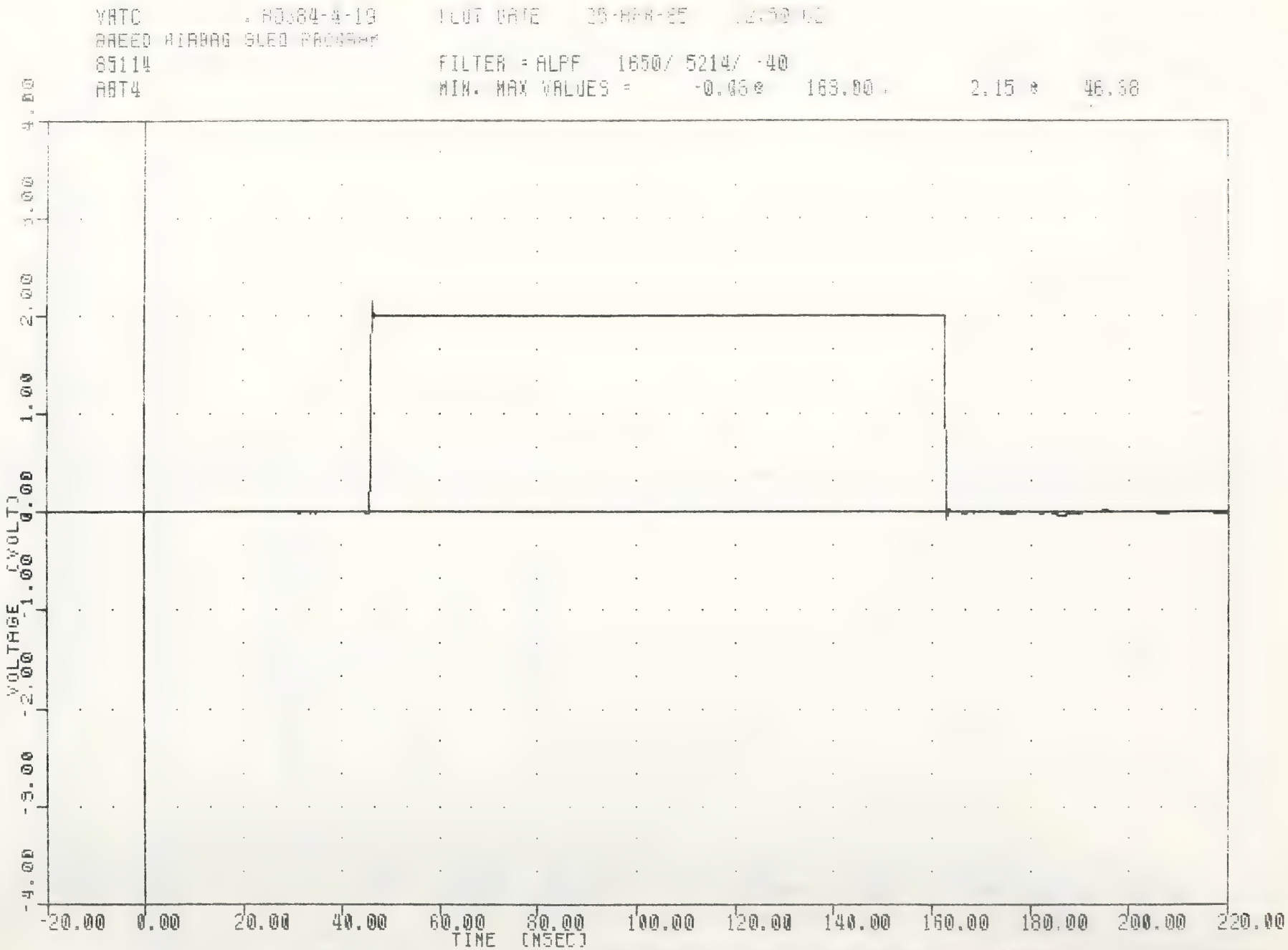


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SENSOR BURNWIRE 2

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = ALPF 1650/ 5214/ -40
ABT3 MIN. MAX VALUES = 0.00@ -19.8B , 2.02 @ 24.13

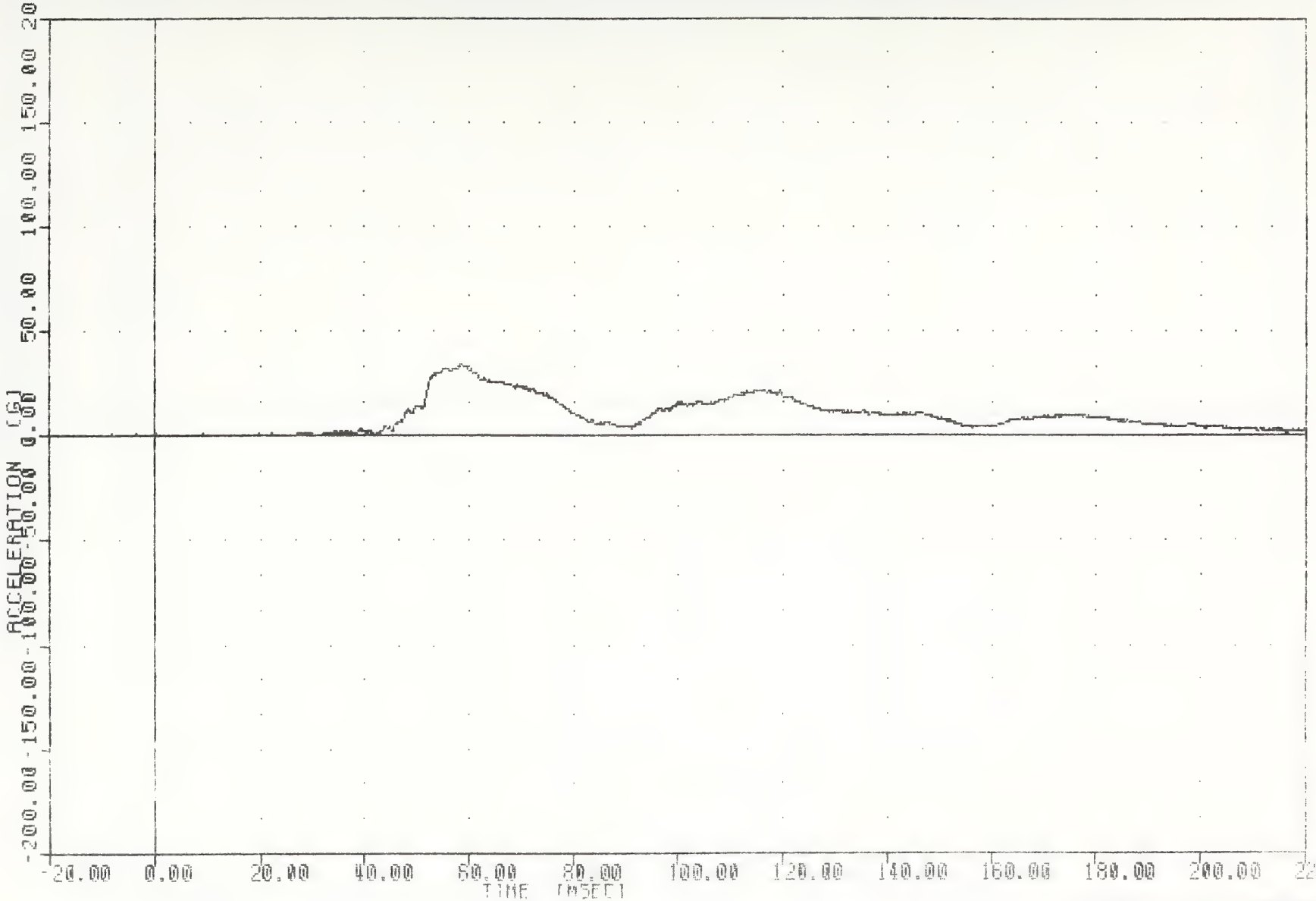


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

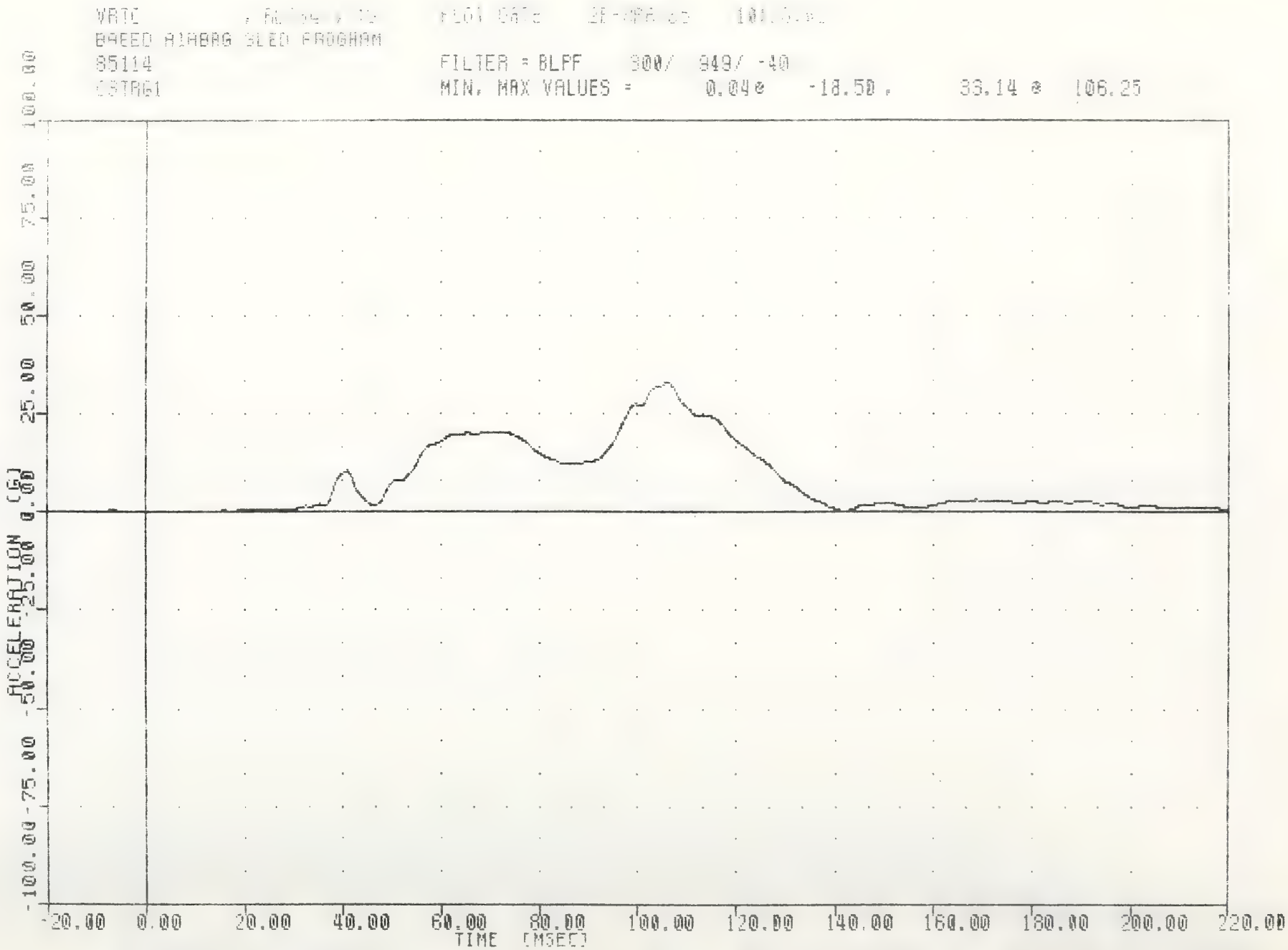


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
KNEE CONTACT

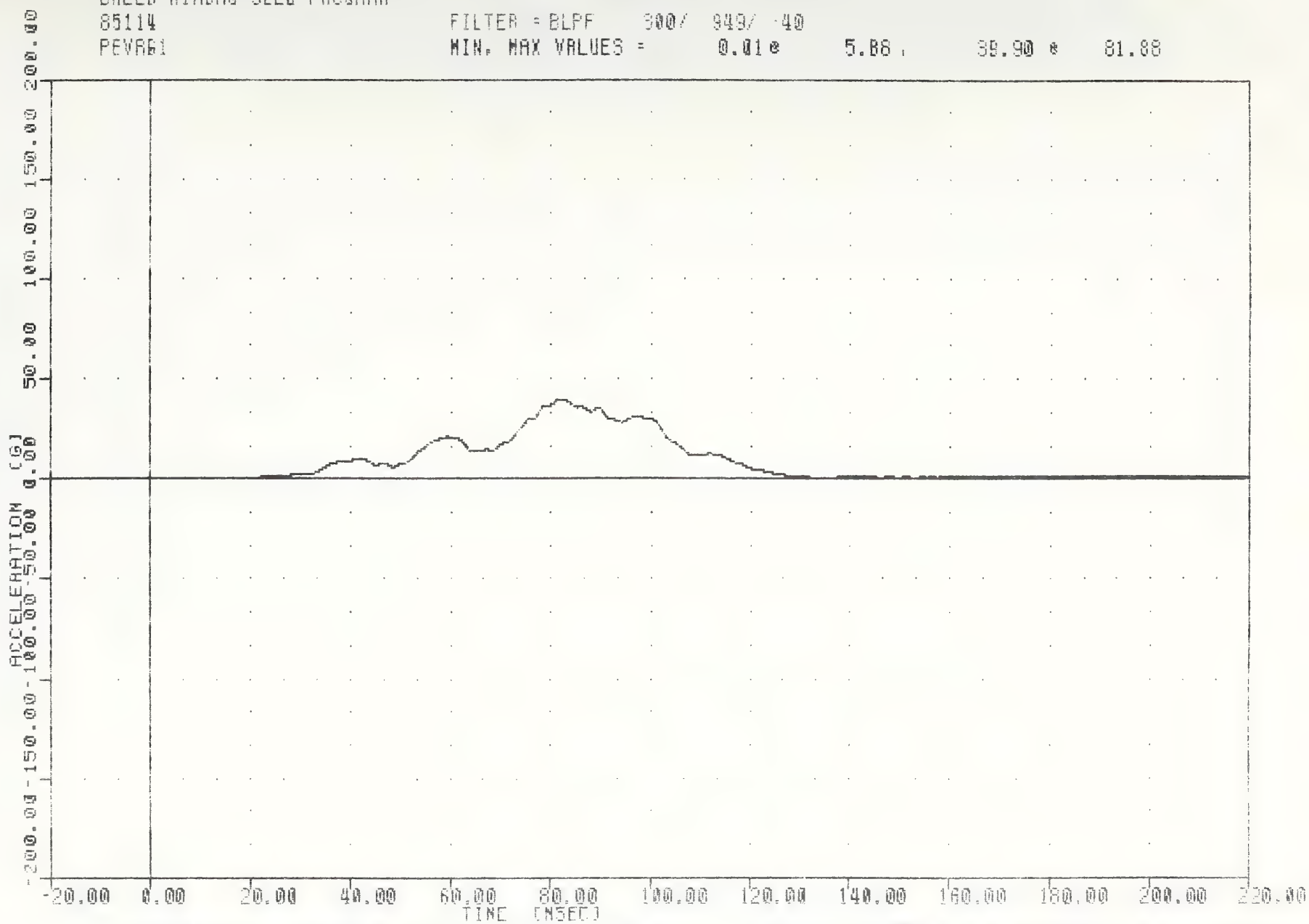
VRTC , R0384-4-19 PLOT DATE 26-APR-85 10:28:02
BALLED AIRBAG SLED PROGRAM
85114 FILTER = ALPF 1650/ 5214/ -40
HEDRG1 MIN, MAX VALUES = 0.03@ -17.88 , 34.01 @ 58.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



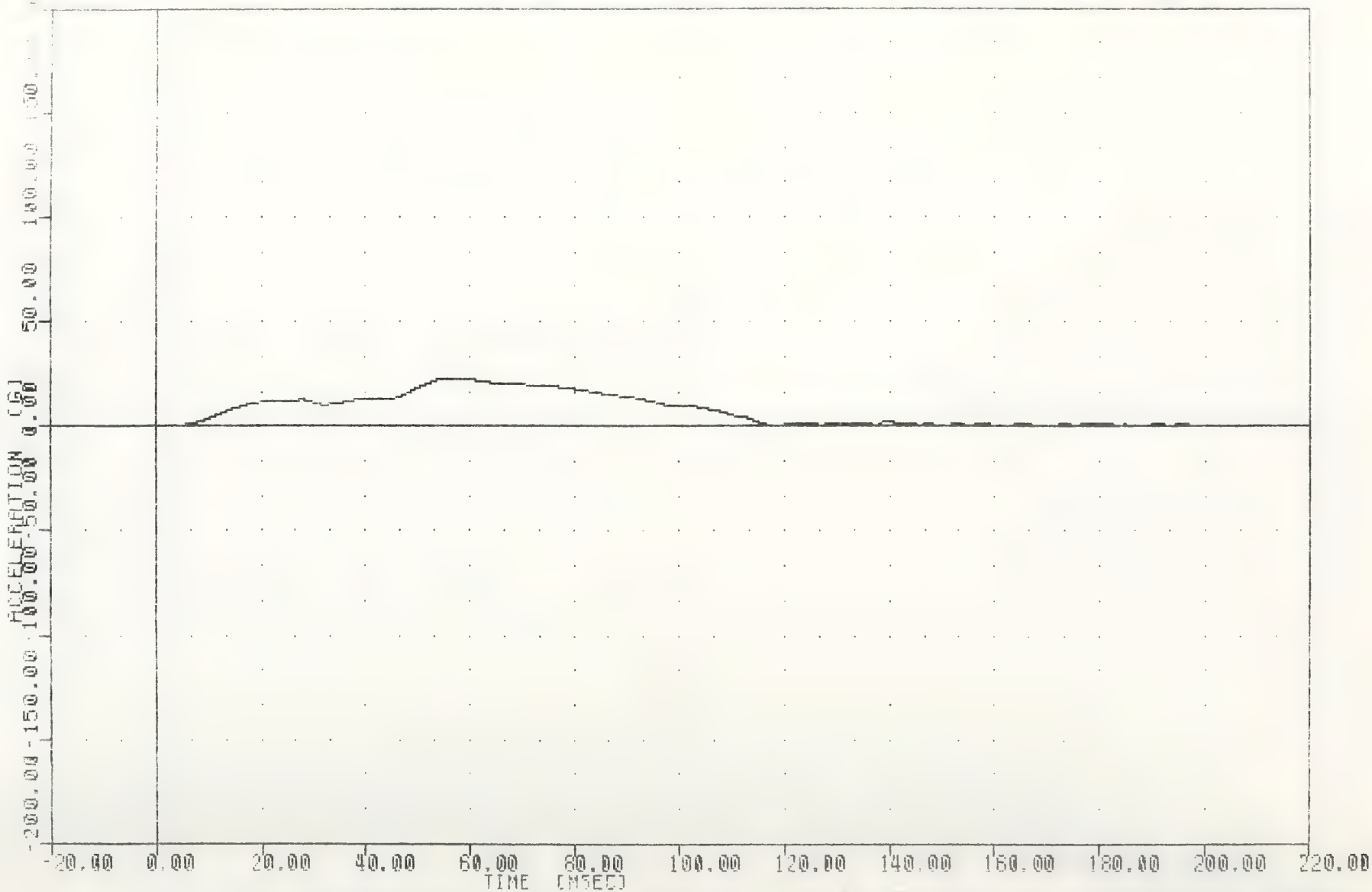
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST RESULTANT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS [illegible]

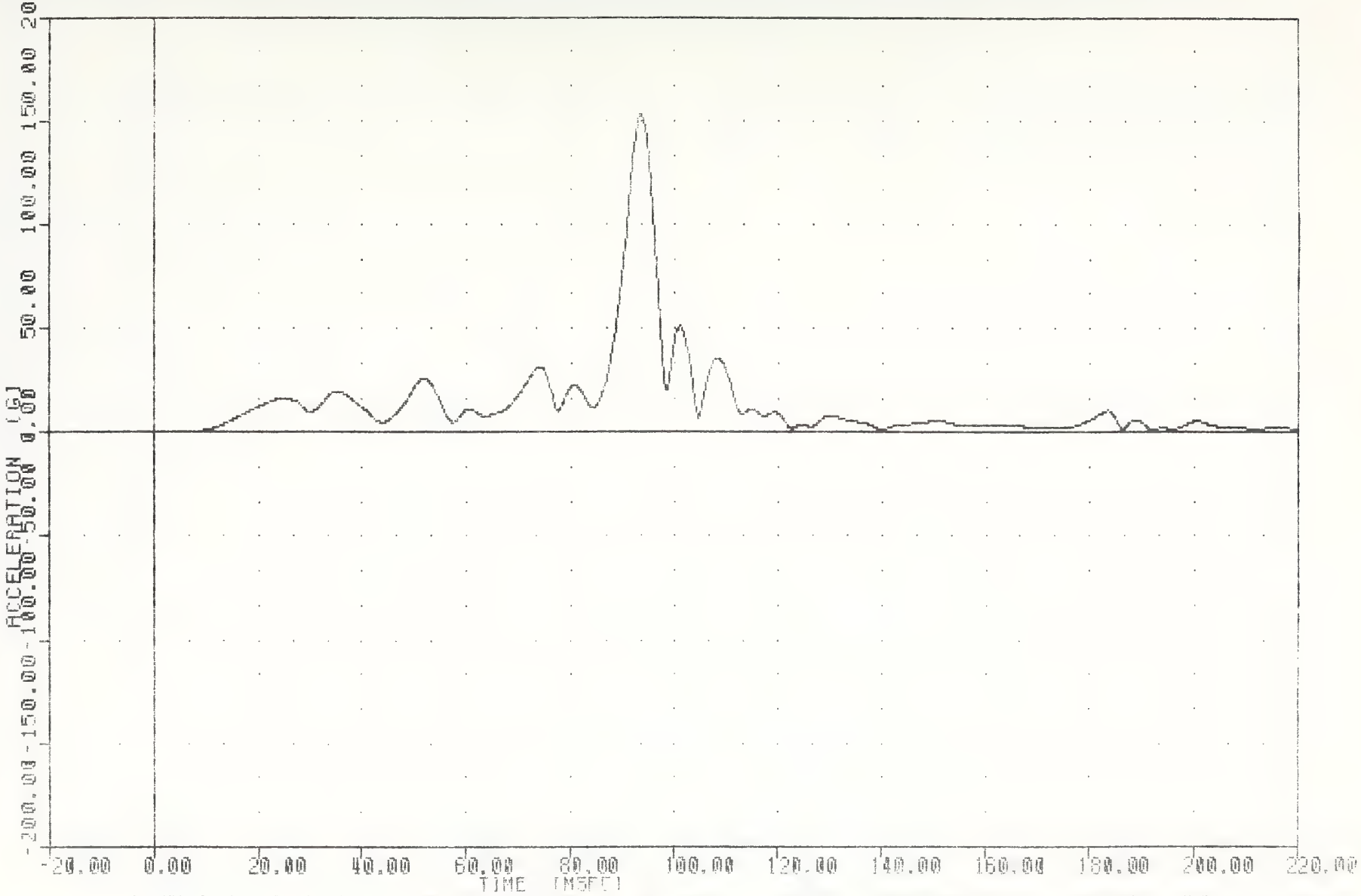
VRTC
BREED AIRBAG SLED PROGRAM
85114
LPBRG

FILTER = BLPF 100. SHAPE -10
MIN. MAX VALUES = 0.06@ -3.25 . 23.05 @ 56.3@

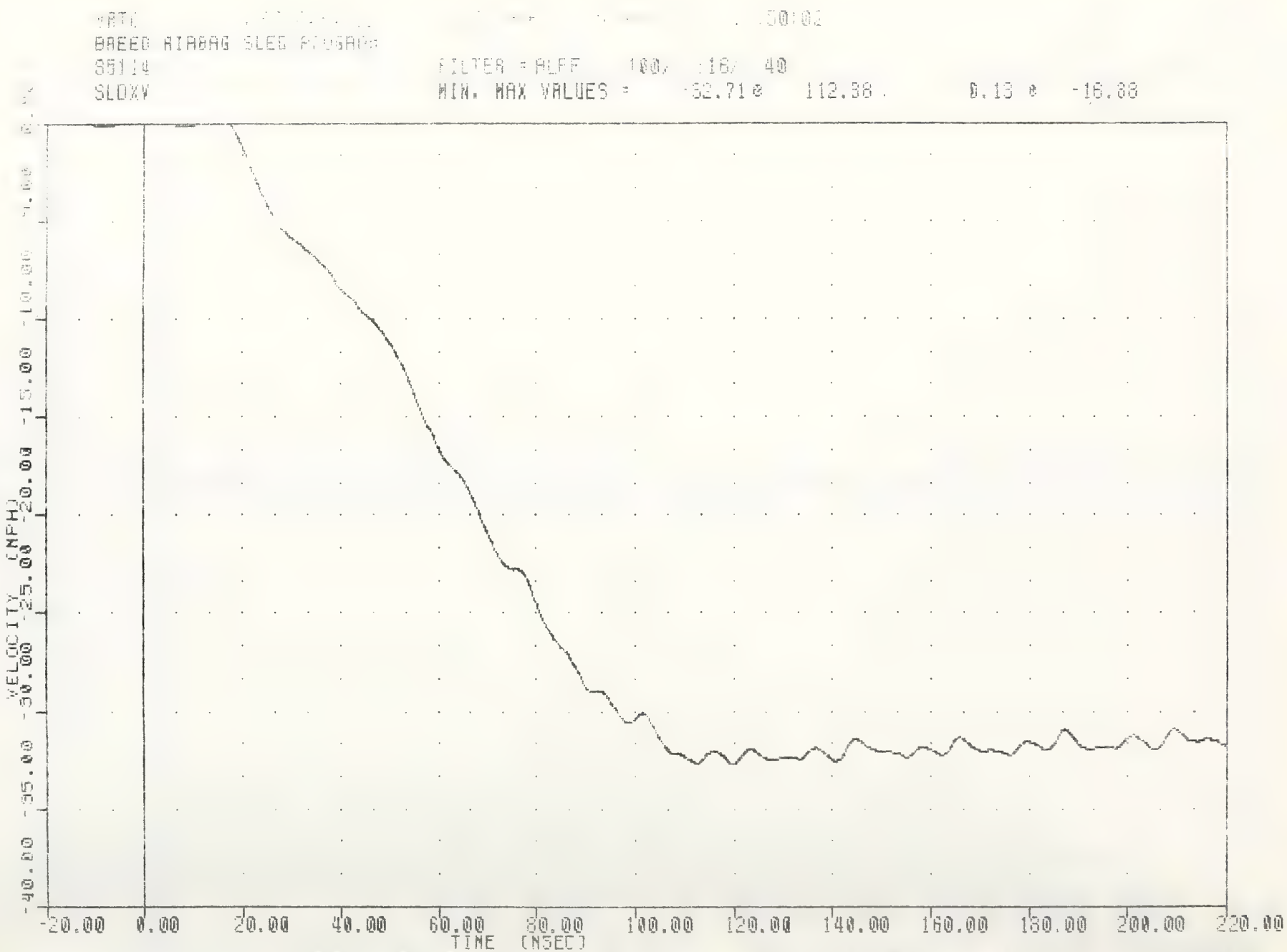


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT S RESULTANT

VRTC . RG384-4-19 PLOT DATE 26-APR-85 10:28:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 100/ 316/ -40
STHRG MIN. MAX VALUES = 0.05@ -12.50@, 152.81 @ 93.38



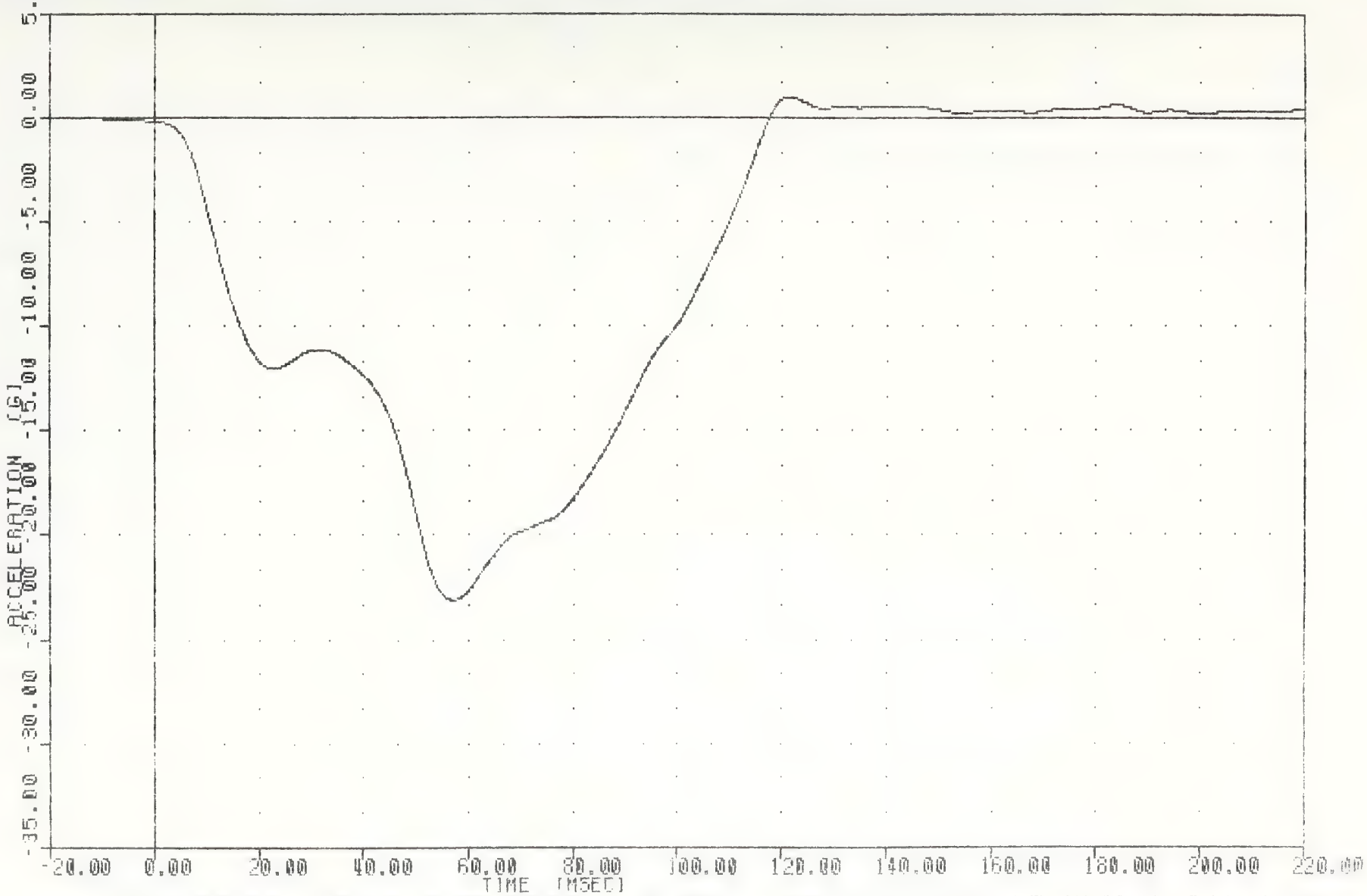
CHEVROLET IMPALA SLED TEST [illegible] MPH - 50th PERCENTILE HYBRID III DUMMY
[illegible]



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

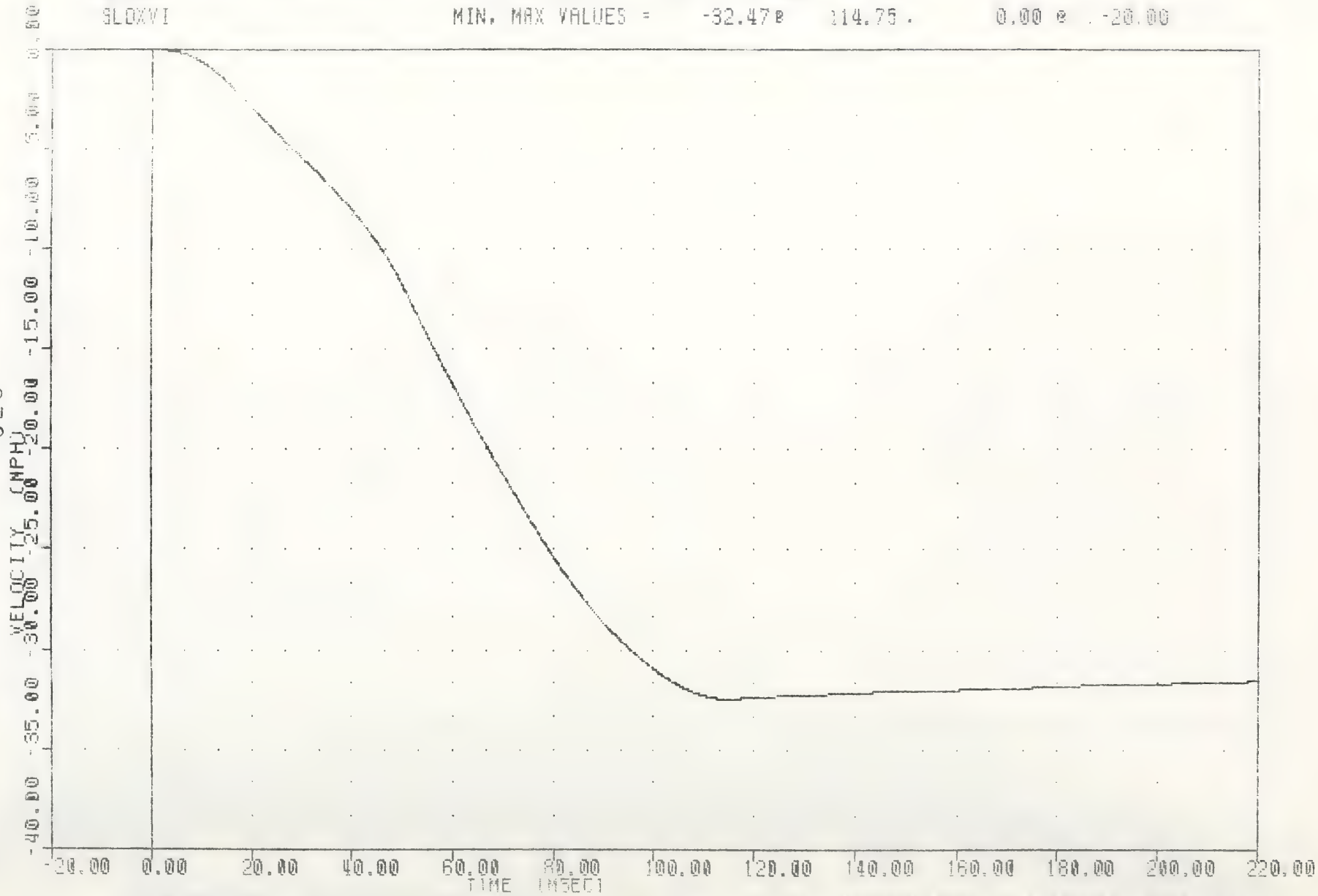
SLED VELOCITY (MPH/MSEC)

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 100/ 316/ -40
SLDXG MIN. MAX VALUES = -23.11 @ 57.13 , 0.98 @ 121.38



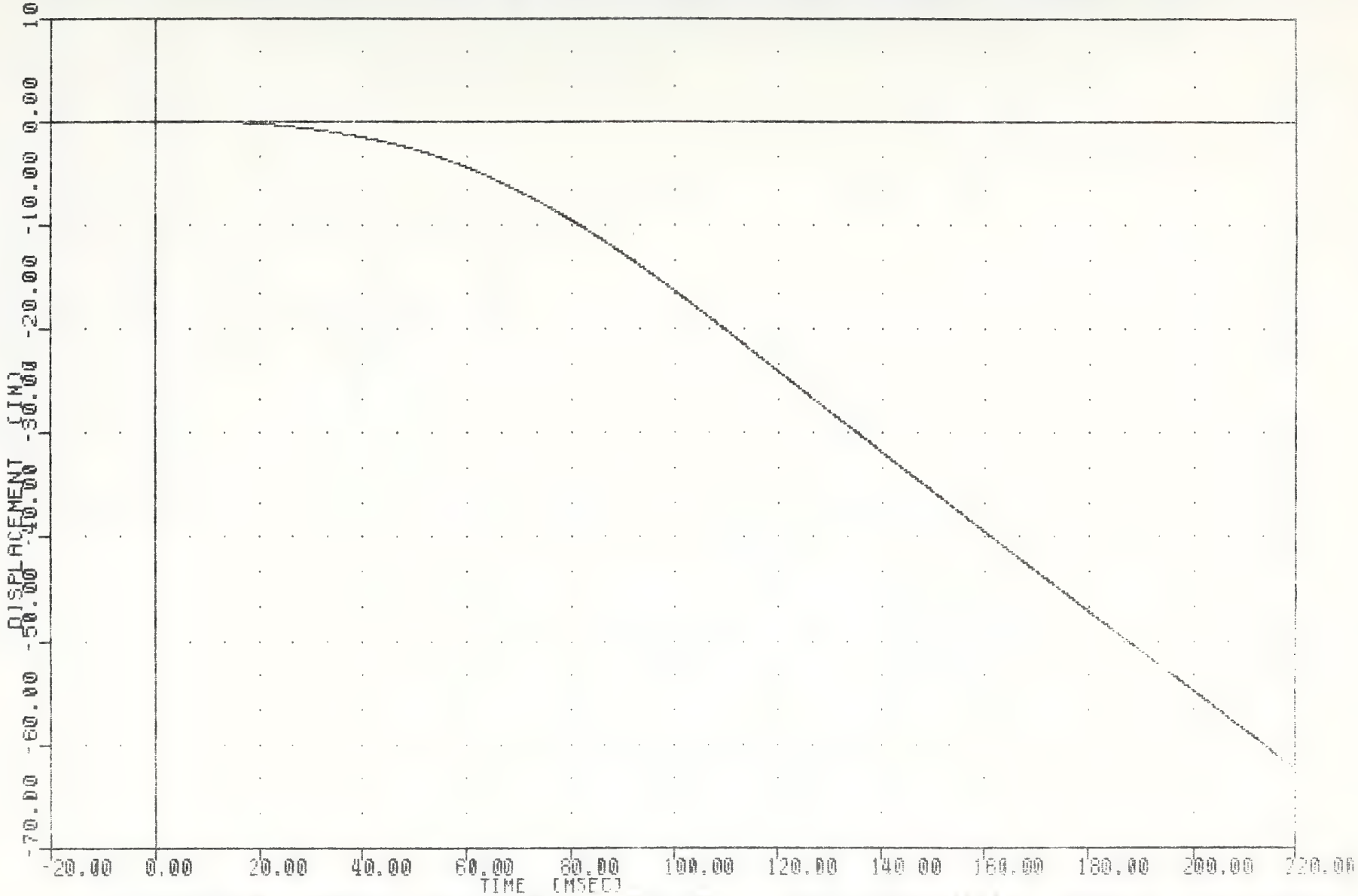
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED ACCELERATION

VRIC DATE 25-MAR-85
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
SLDXVI MIN, MAX VALUES = -32.47@ 114.75 . 0.00 @ -20.00

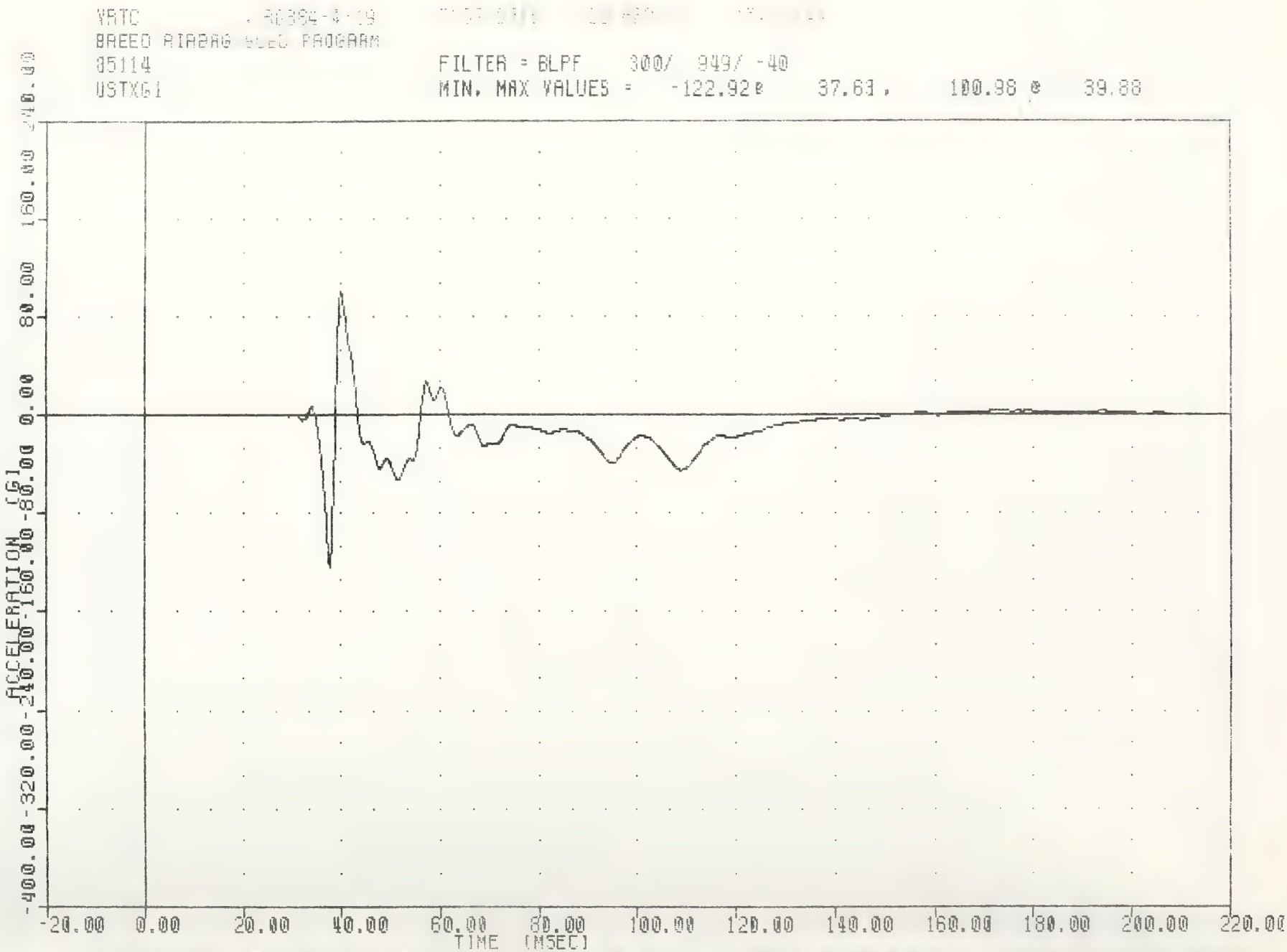


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SEAT BELT TO PASSENGER

VRTC , RD384-4-19 PLOT DATE 25-APR-85 14:13:11
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
SLDXD MIN. MAX VALUES = -62.42@ 220.00 , 0.00 @ -20.00

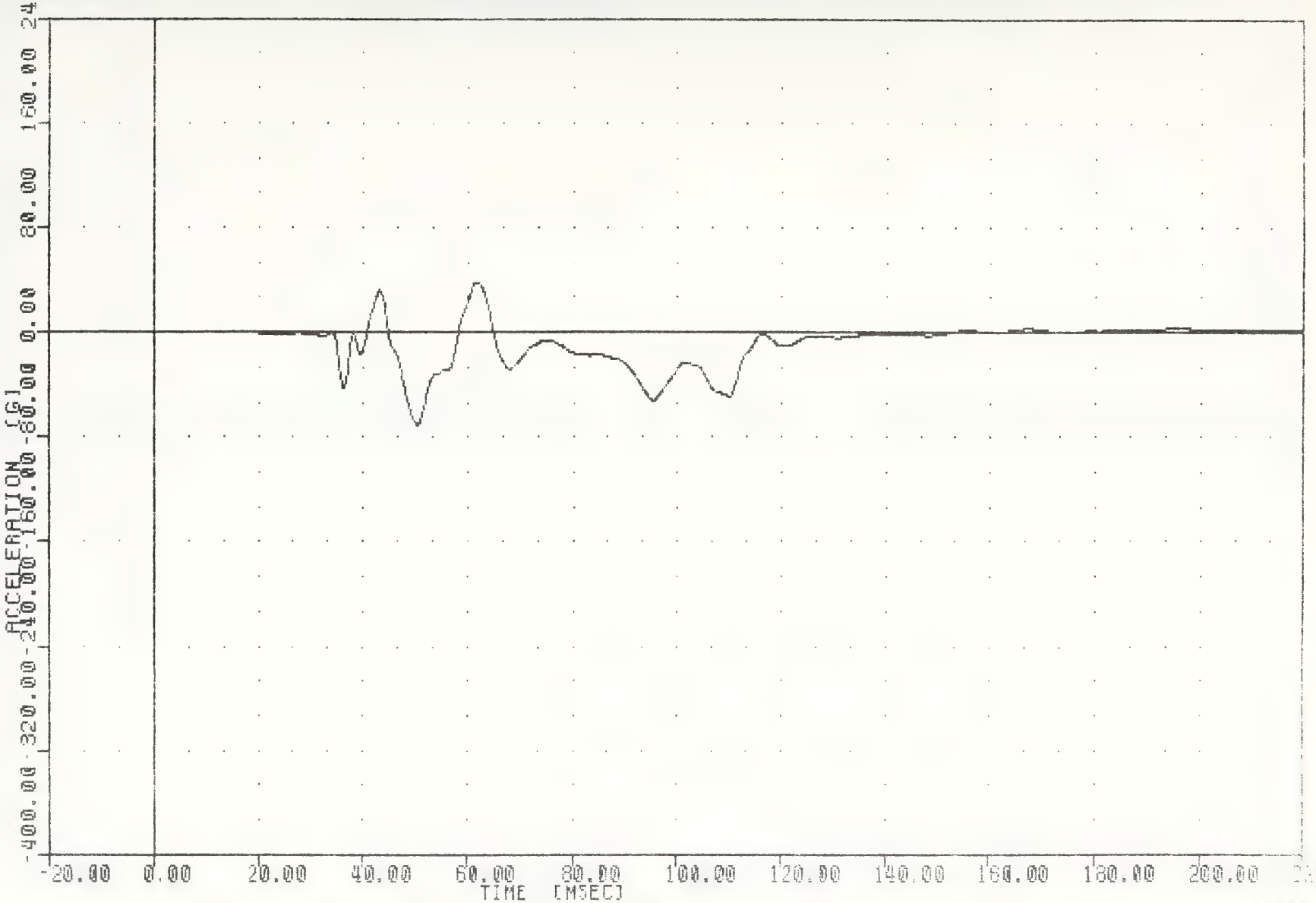


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V [illegible]



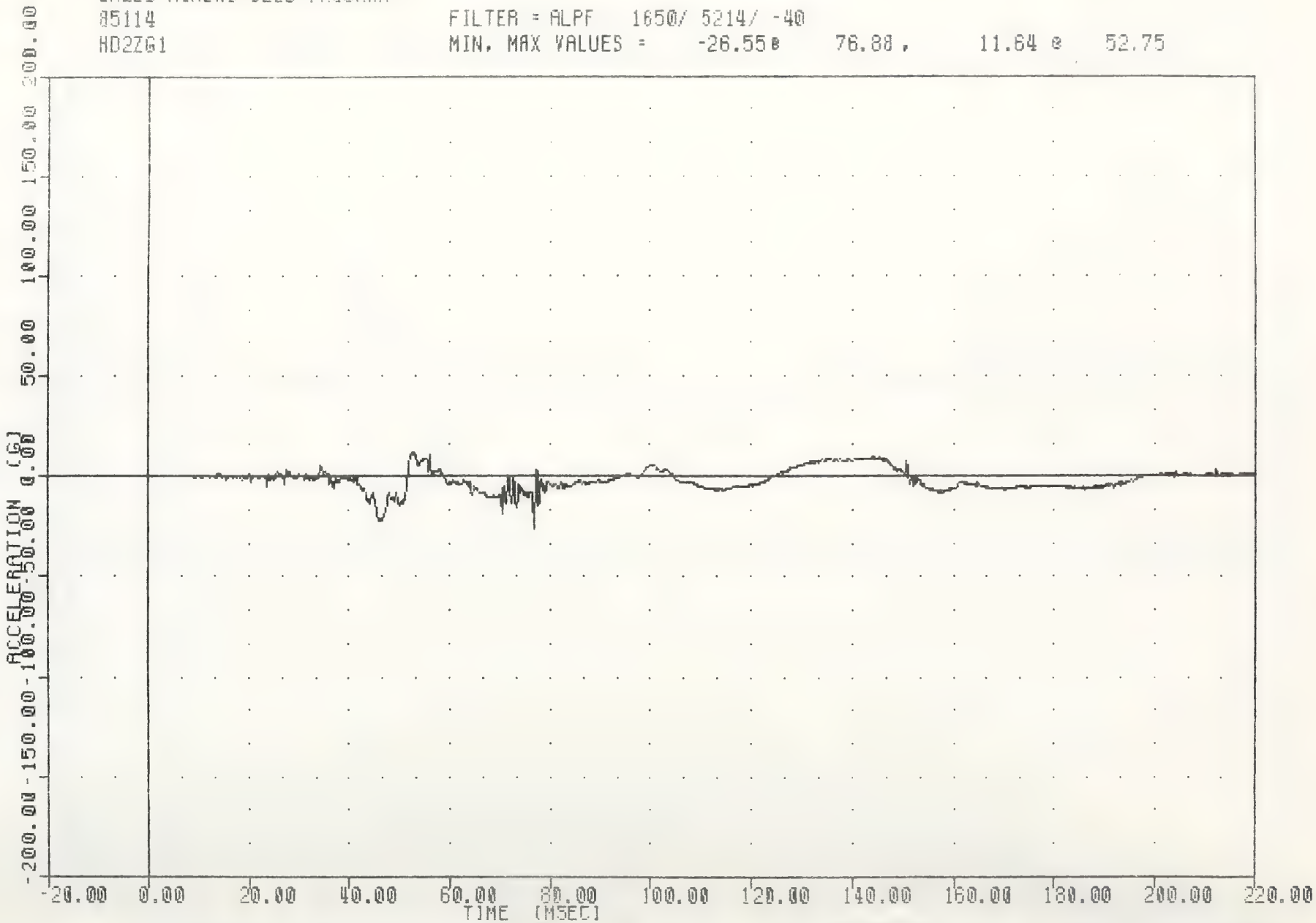
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

VRTC , RD384-4-19 PLOT DATE 29-APR-85 15:42:43
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 300/ 949/ -40
LSTXG1 MIN, MAX VALUES = -70.79@ 50.38 , 38.34 @ 61.75

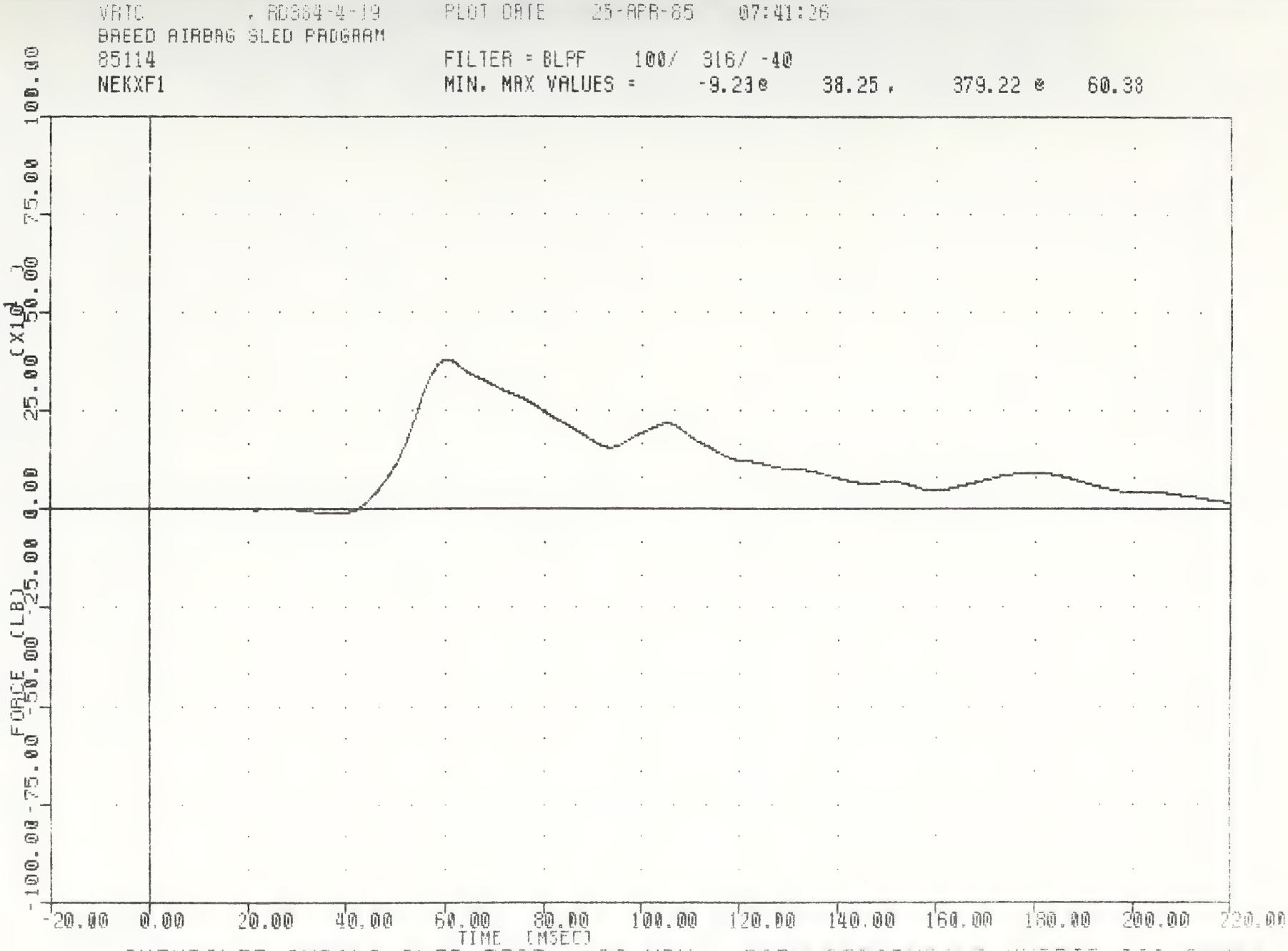


CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUMMY
DRIVER LOWER STERNUM ACCELERATION - X-AXIS

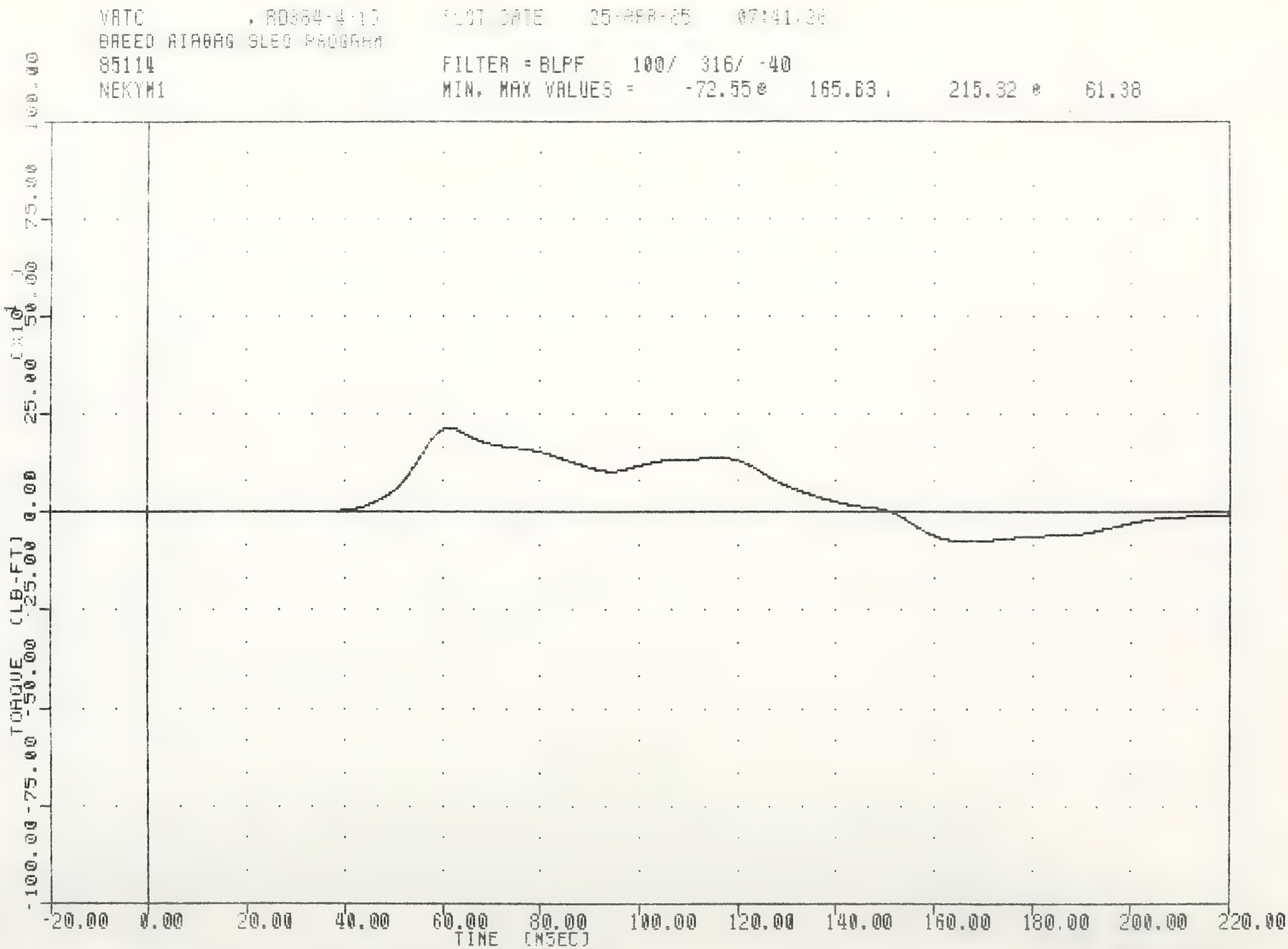
VRTC , R0384-4-19 PLOT DATE 3-MAY-85 12:30:21
BREED AIRBAG SLED PROGRAM
85114 FILTER = ALPF 1650/ 5214/ -40
HD2ZG1 MIN. MAX VALUES = -26.55 @ 76.88 , 11.64 @ 52.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

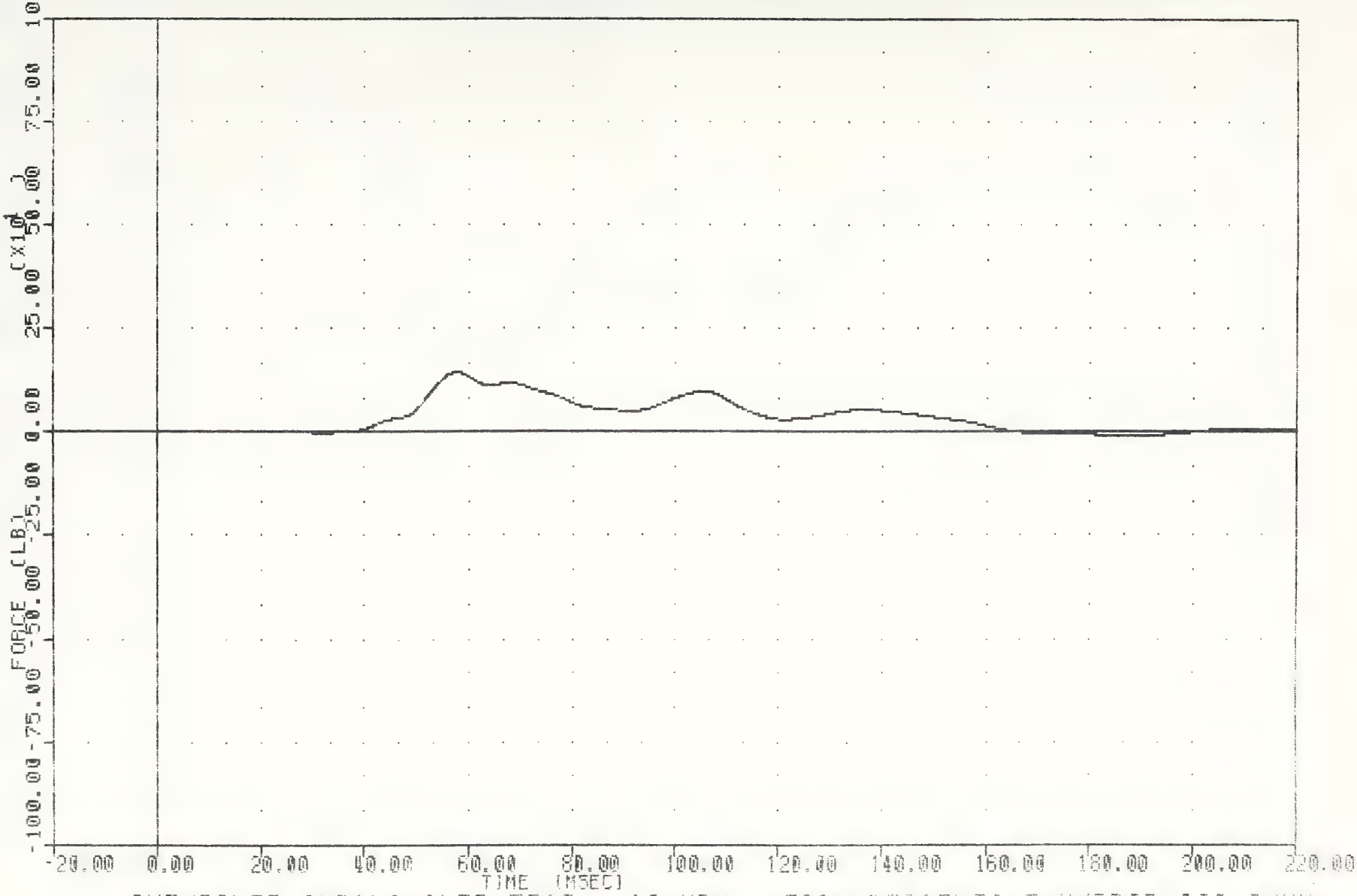


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE X (FRONT)

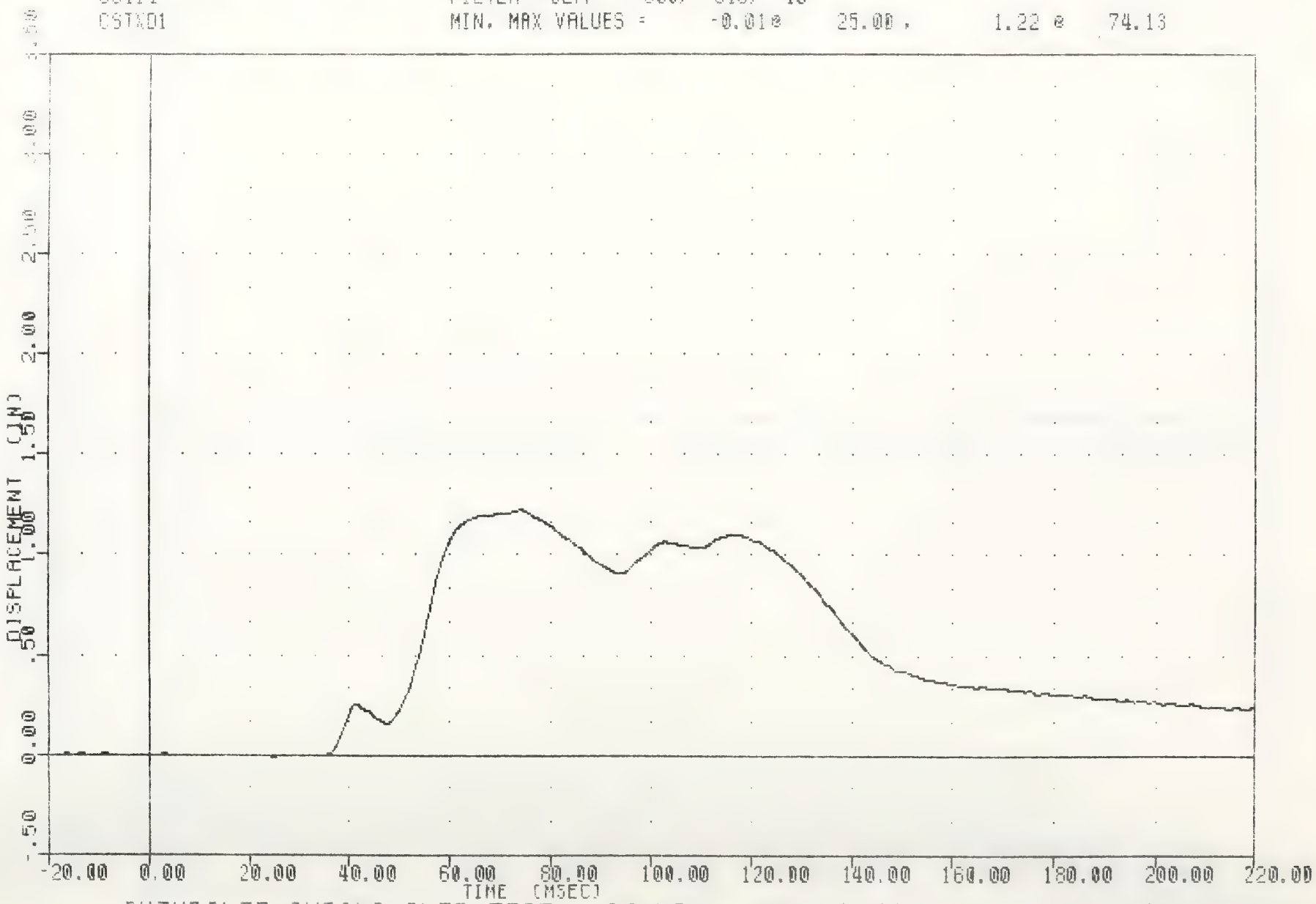


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK MOMENT Y AXIS FT-LBS

VATC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 100/ 316/ -40
NEKZF1 MIN, MAX VALUES = -8.75 @ 184.88 , 143.87 @ 57.63

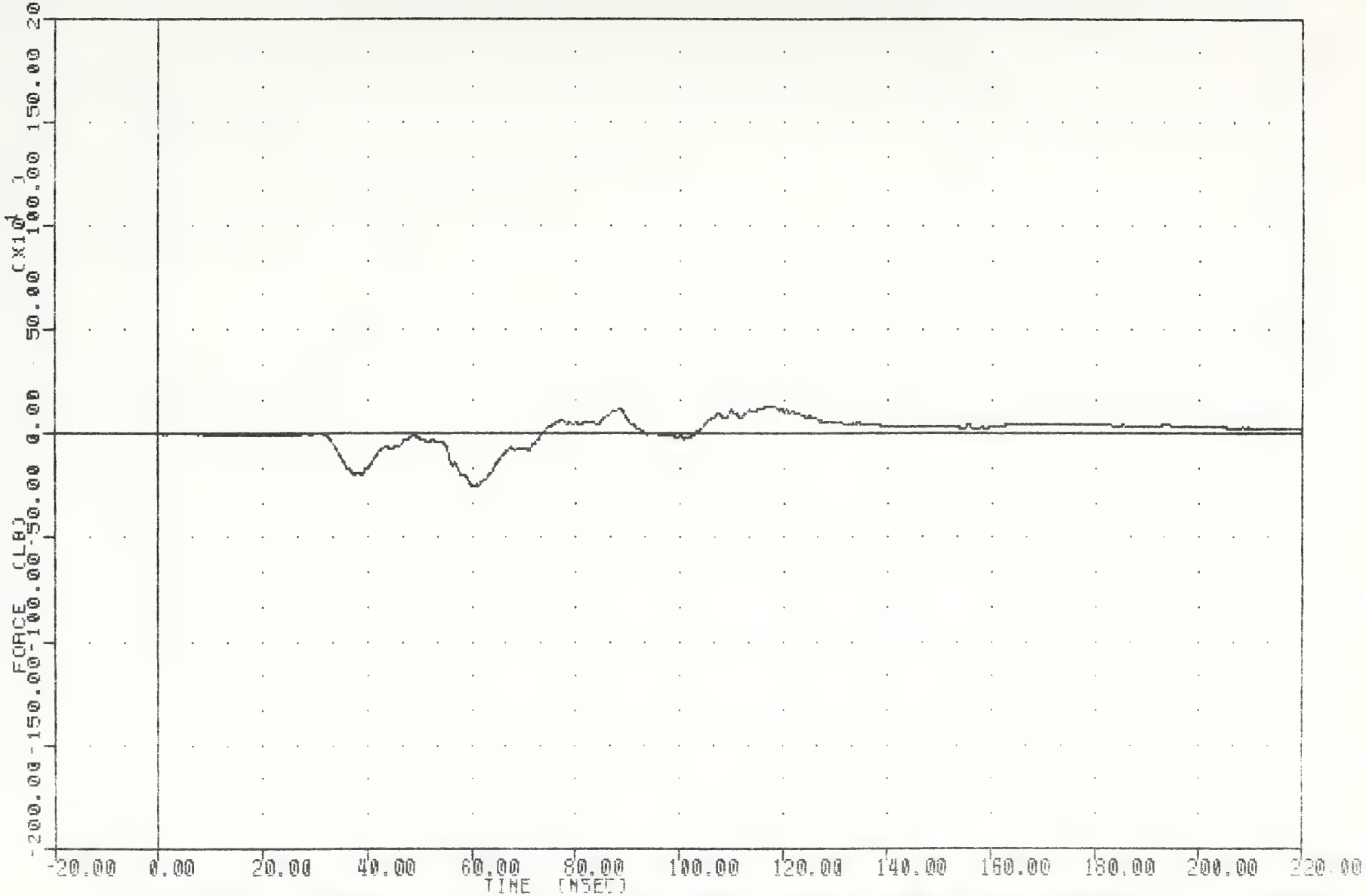


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SBIMTA NECK FORCE Z AXIS - 84/04/



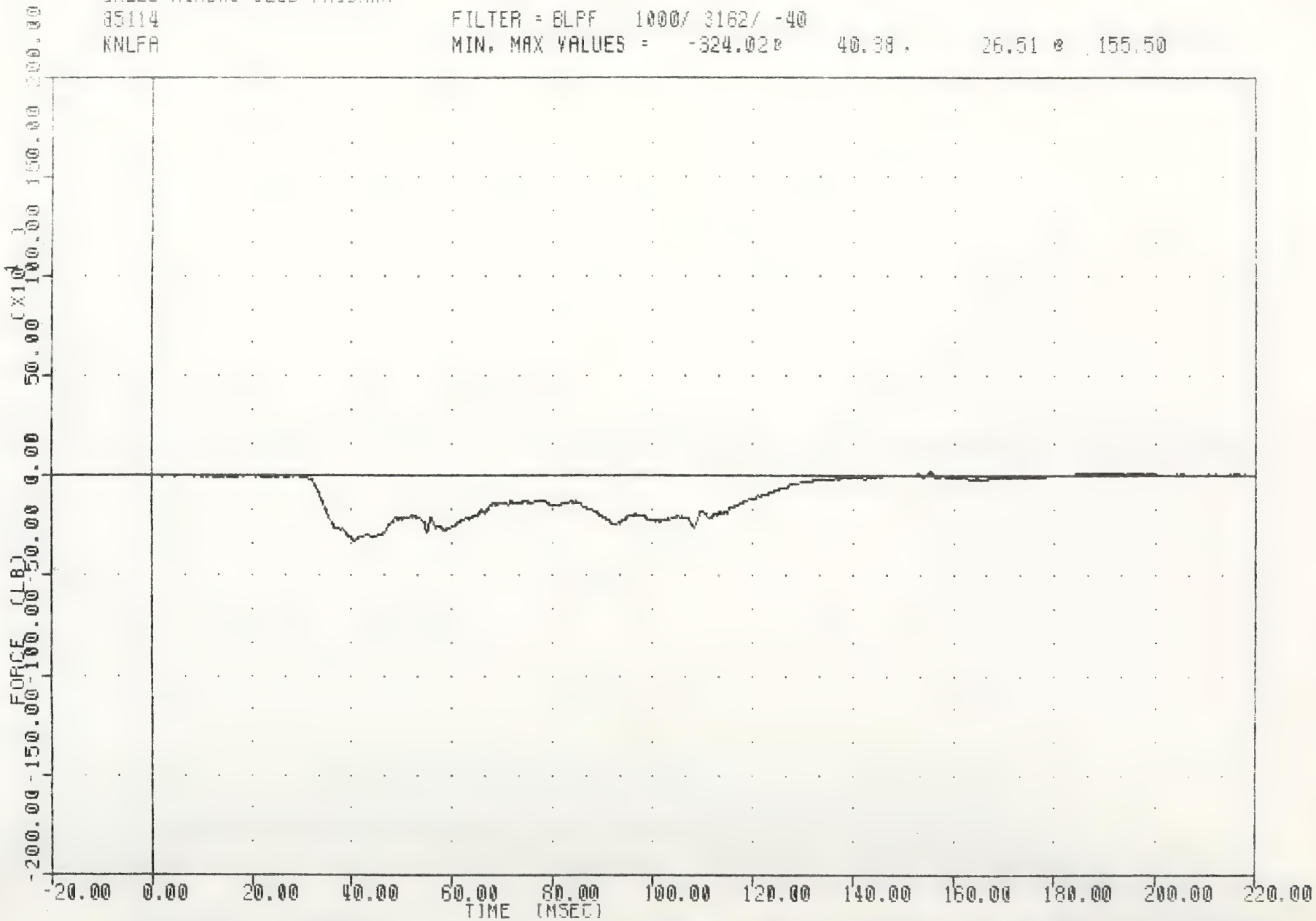
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST DISPLACEMENT INCHES

VRTC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
KNLF1 MIN, MAX VALUES = -254.49 @ 61.25 , 133.89 @ 117.13



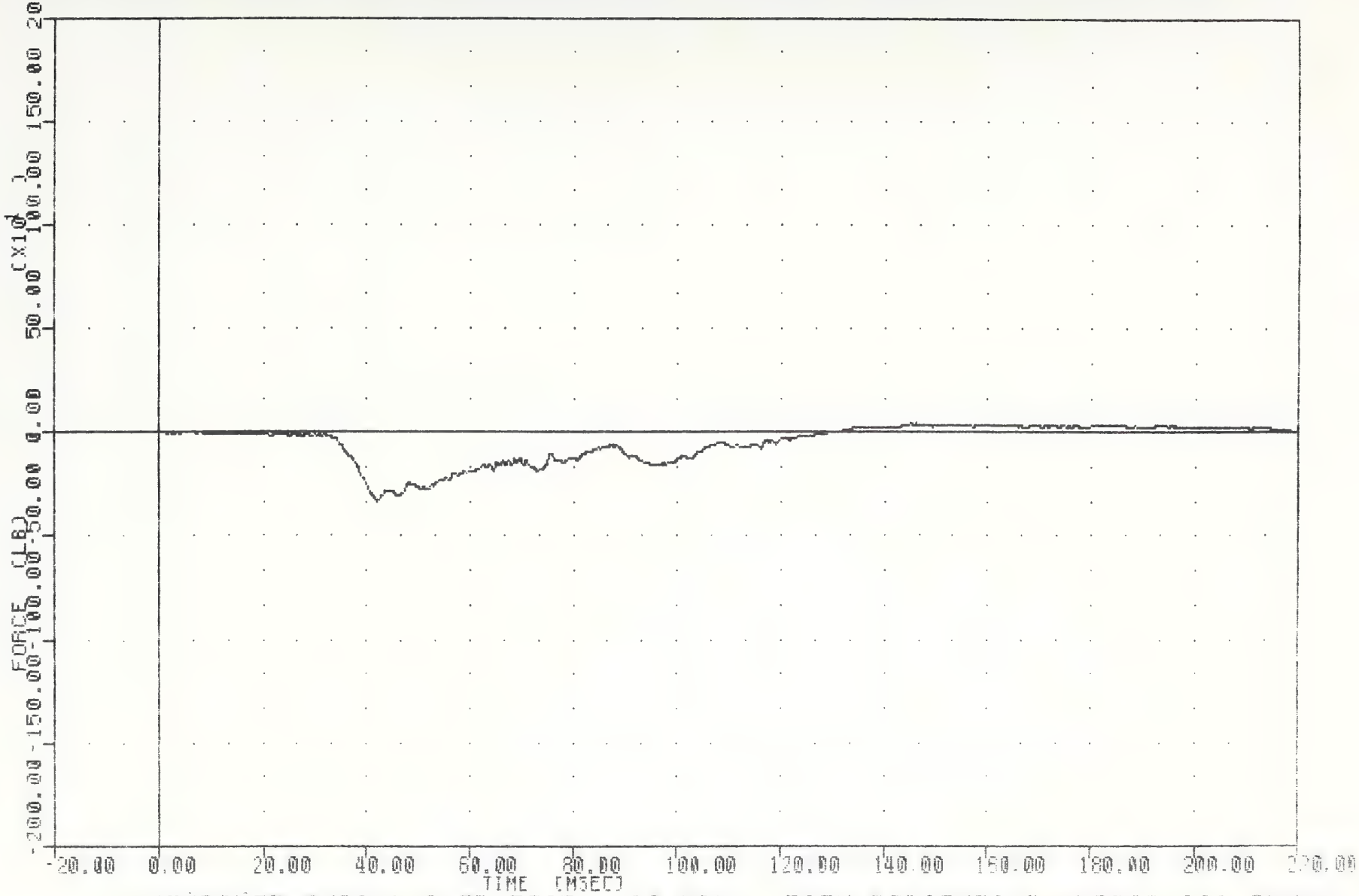
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / LEFT SENSOR LBS

VRTC , R0384-4 15 PLOT DATE 25 MAR-85 07:41:20
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
KNLFR MIN, MAX VALUES = -324.02@ 40.38 , 26.51 @ 155.50

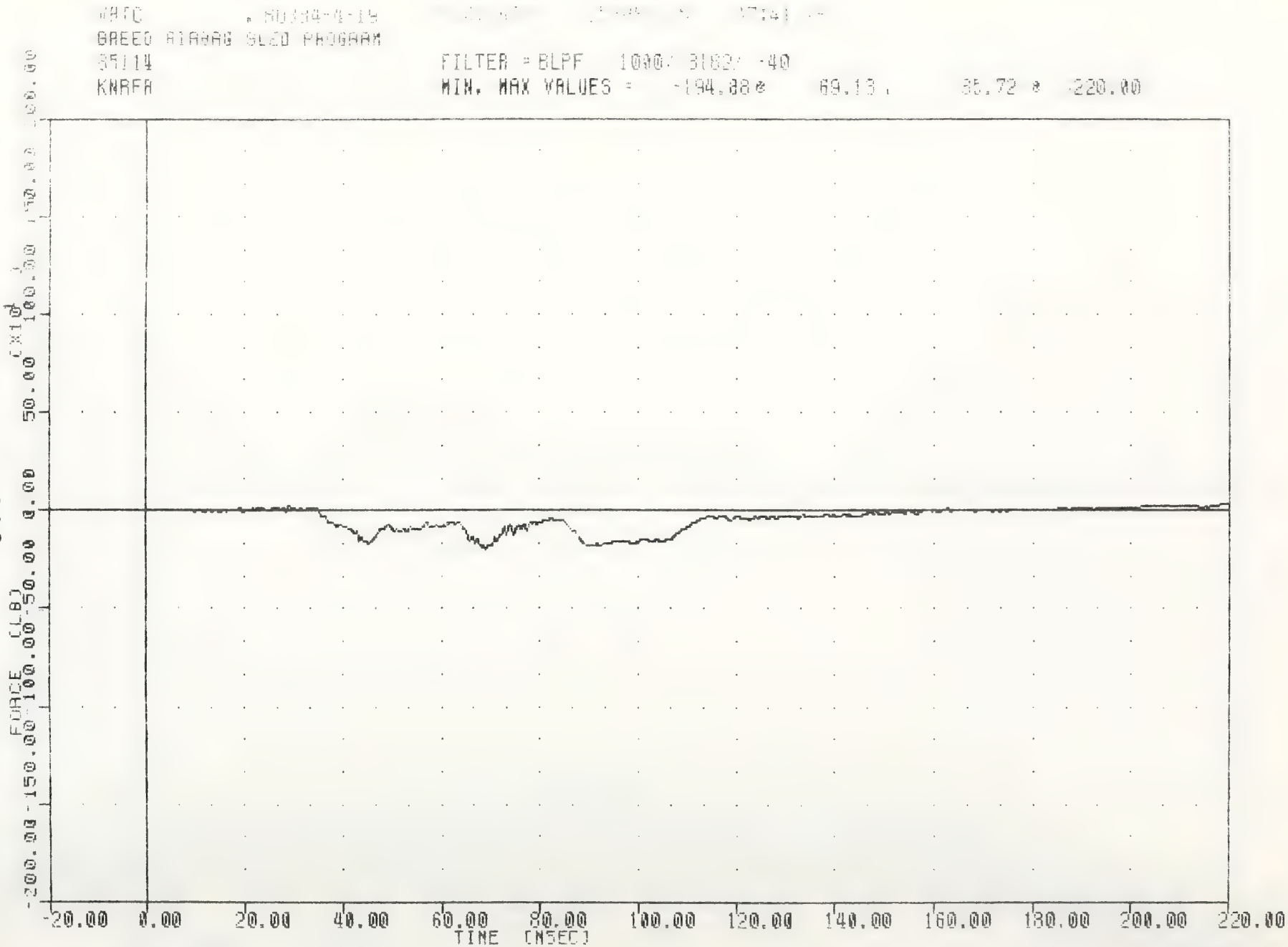


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE - RIGHT SENSOR LBS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
KNAF1 MIN, MAX VALUES = -331.40 @ 42.13 , 40.35 @ 145.13

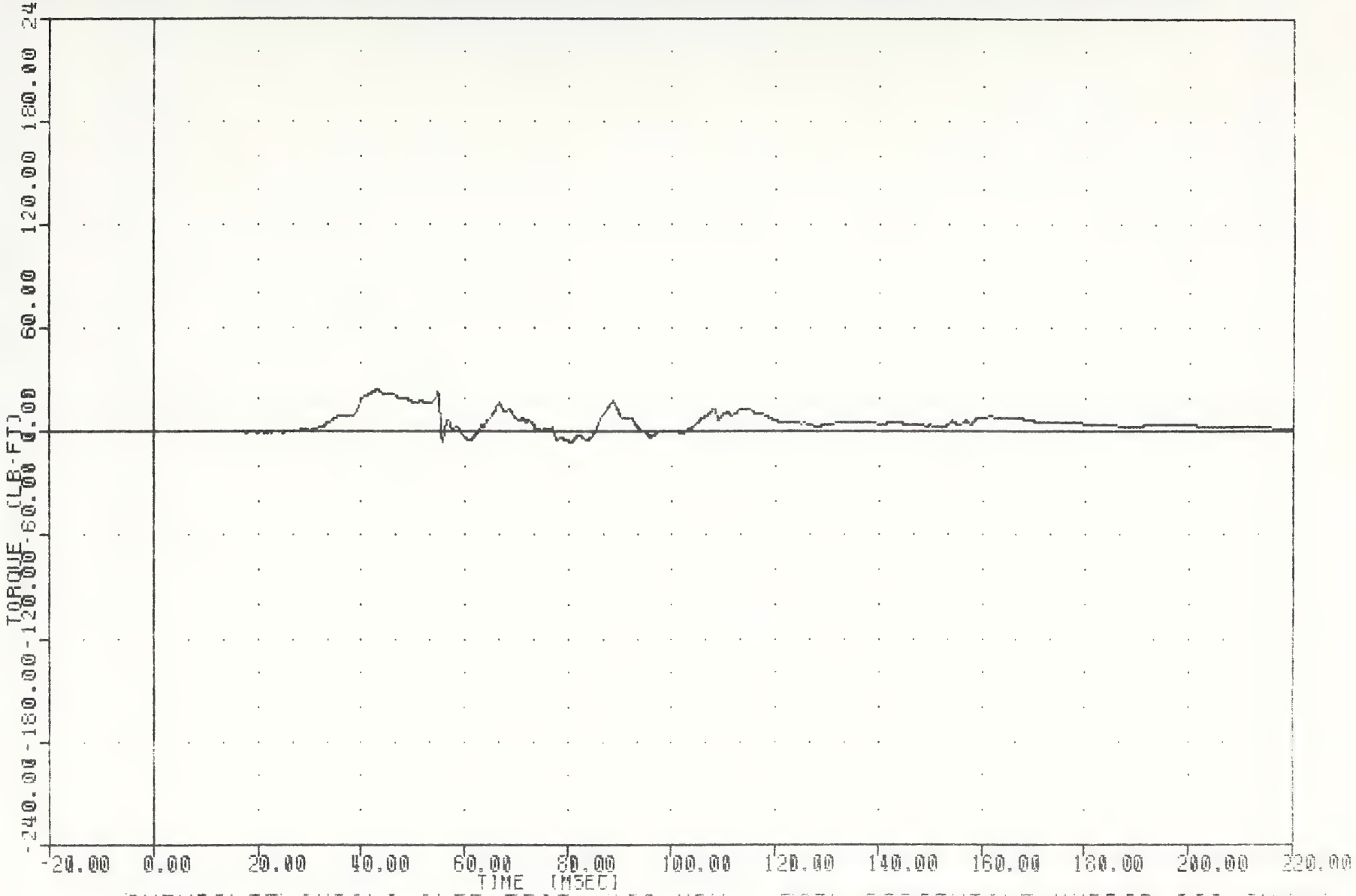


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR

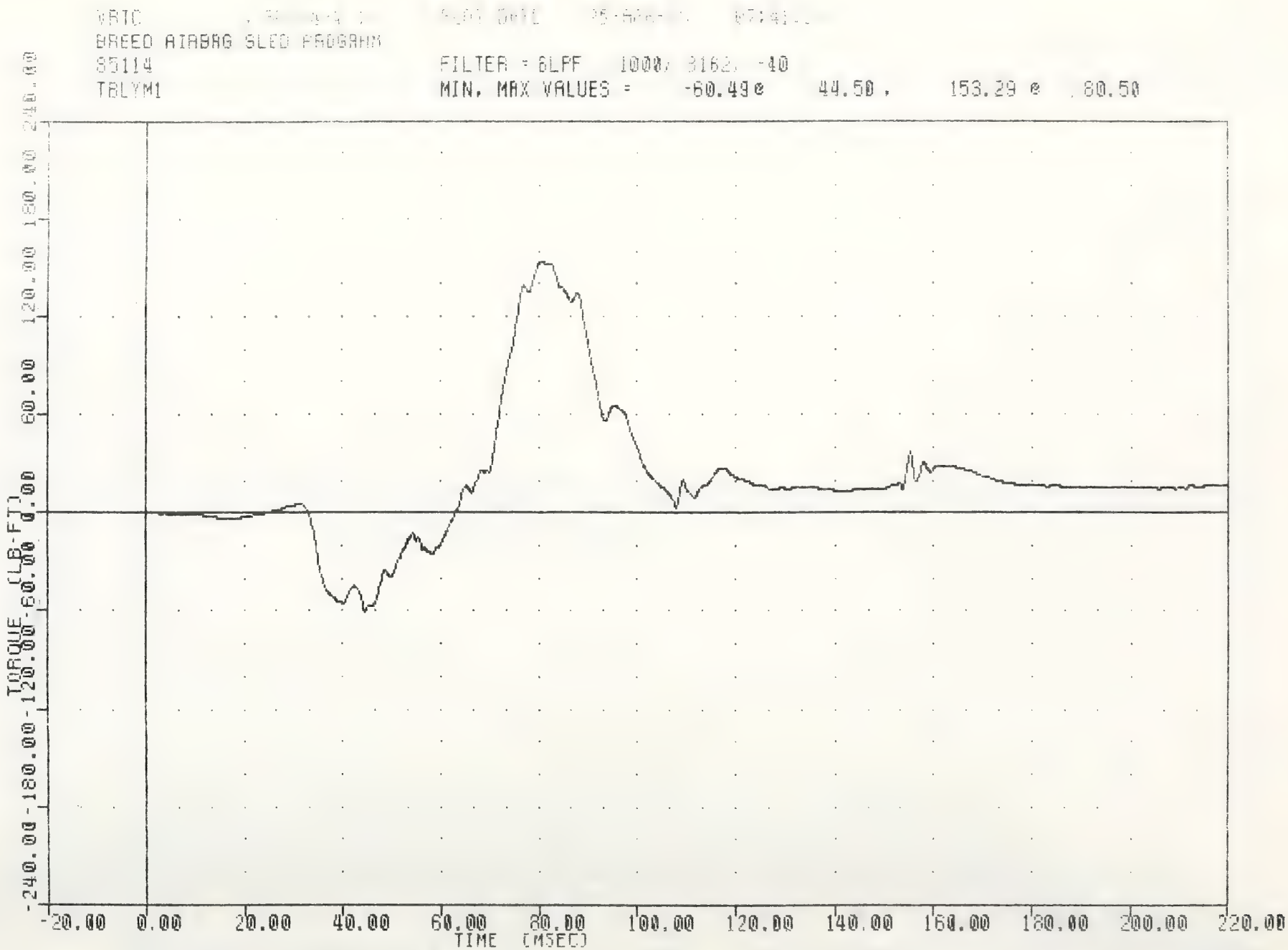


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / RIGHT SENSOR LBS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
TBLXM1 MIN, MAX VALUES = -5.64 @ 80.38 , 24.13 @ 43.13

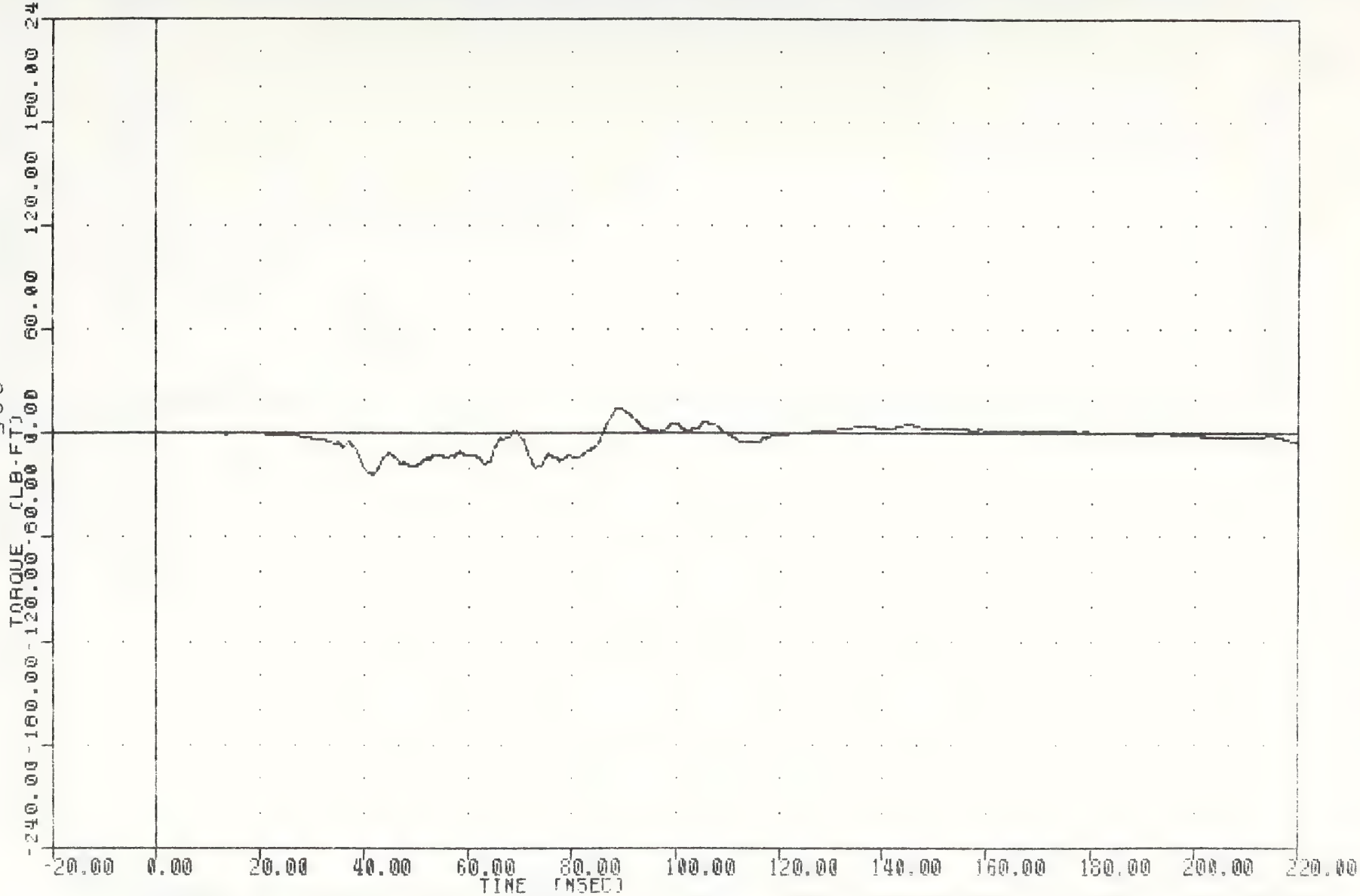


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT X AXIS LB-FT



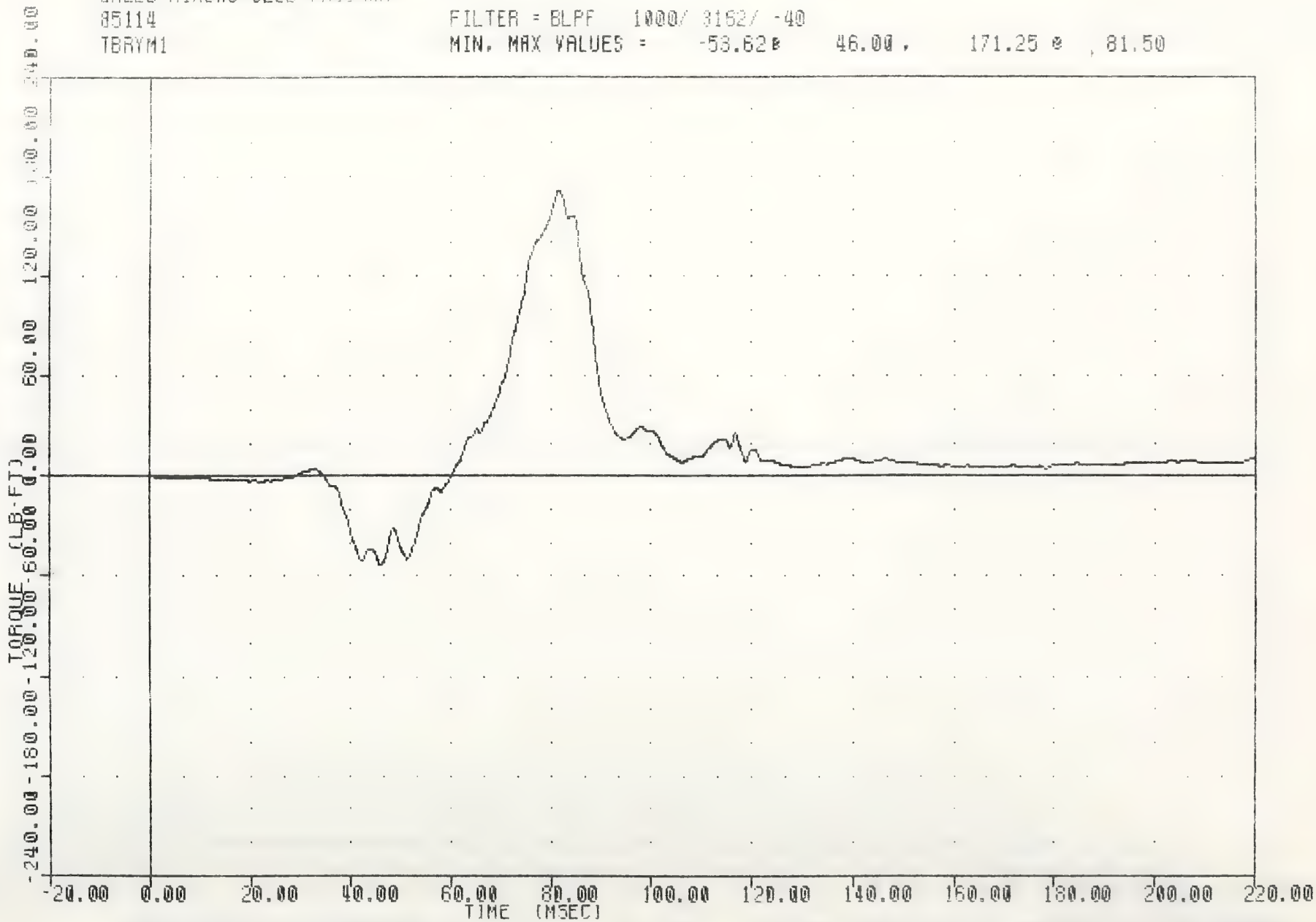
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT Y AXIS LB-FT

WATC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
TBRXM1 MIN, MAX VALUES = -23.50@ 41.75, 14.48@ 88.38



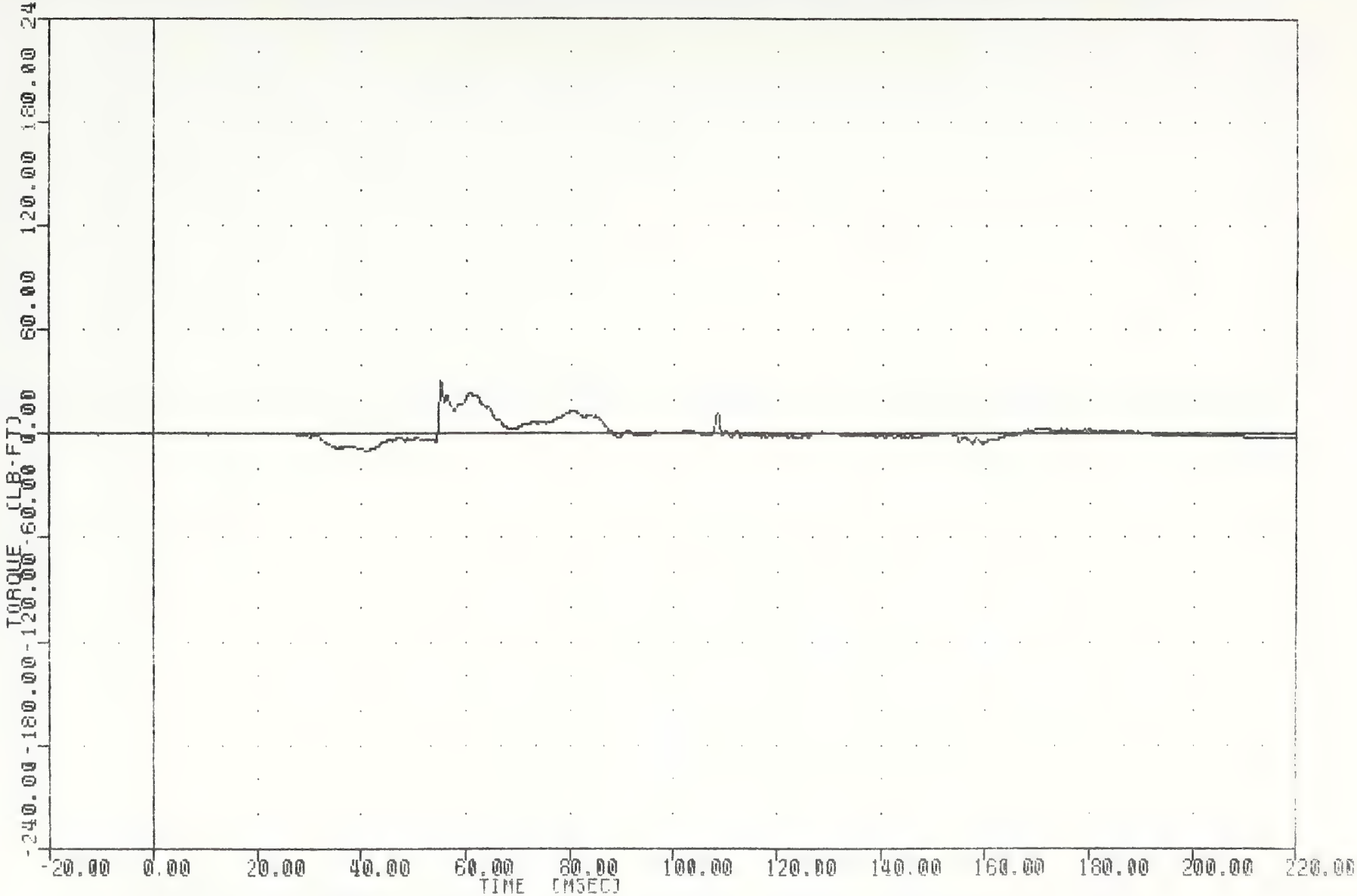
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT X AXIS LB-FT

VRTC , RD964-4-4 PLOT DATE 25-MAR-85 07:41:38
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
TBRYM1 MIN, MAX VALUES = -53.62 @ 46.00 , 171.25 @ , 81.50



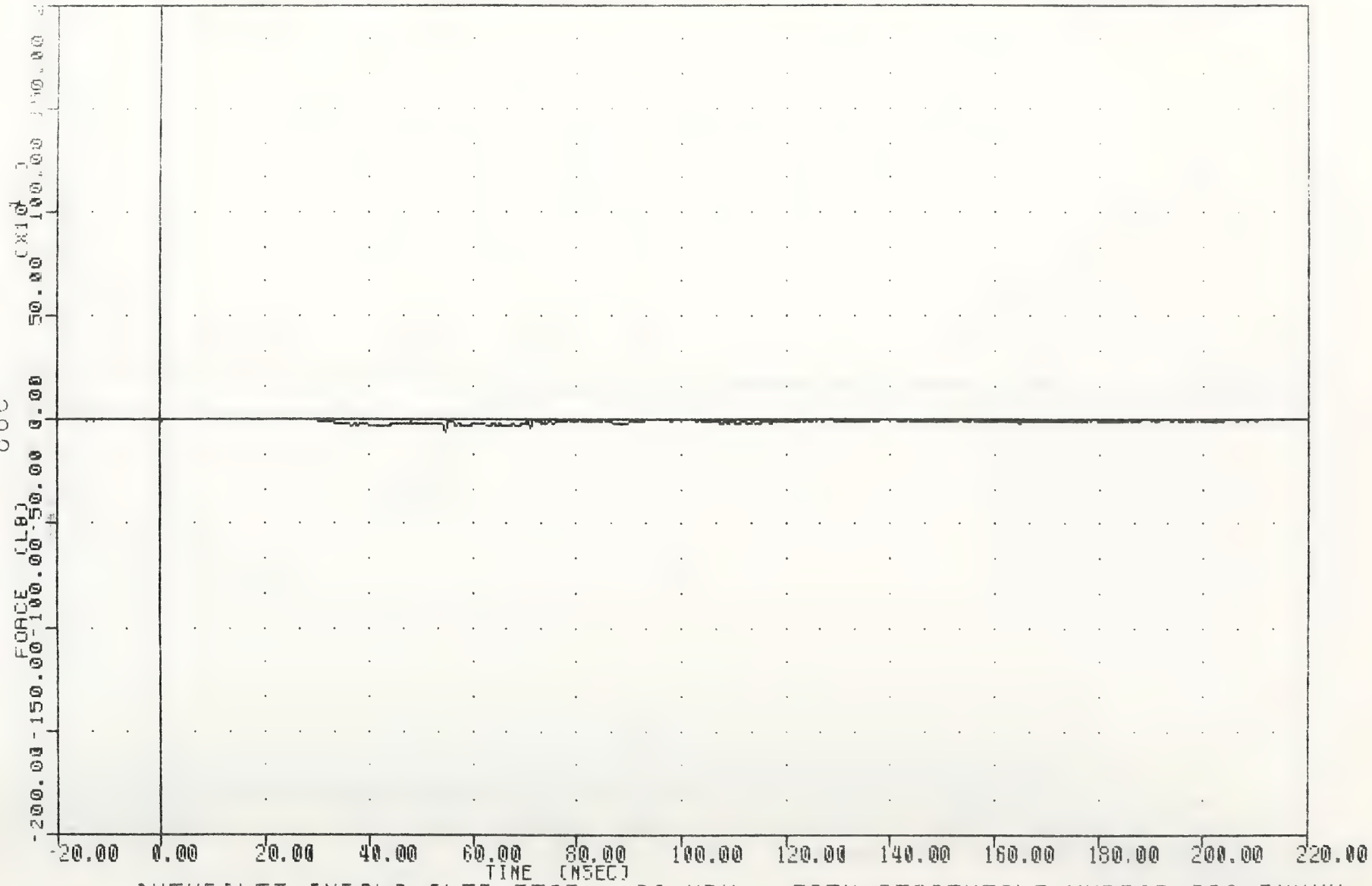
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LB-FT

VRTC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ S162/ -40
ANLXM1 MIN. MAX VALUES = -9.85@ 41.00 , 31.12 @ 55.25



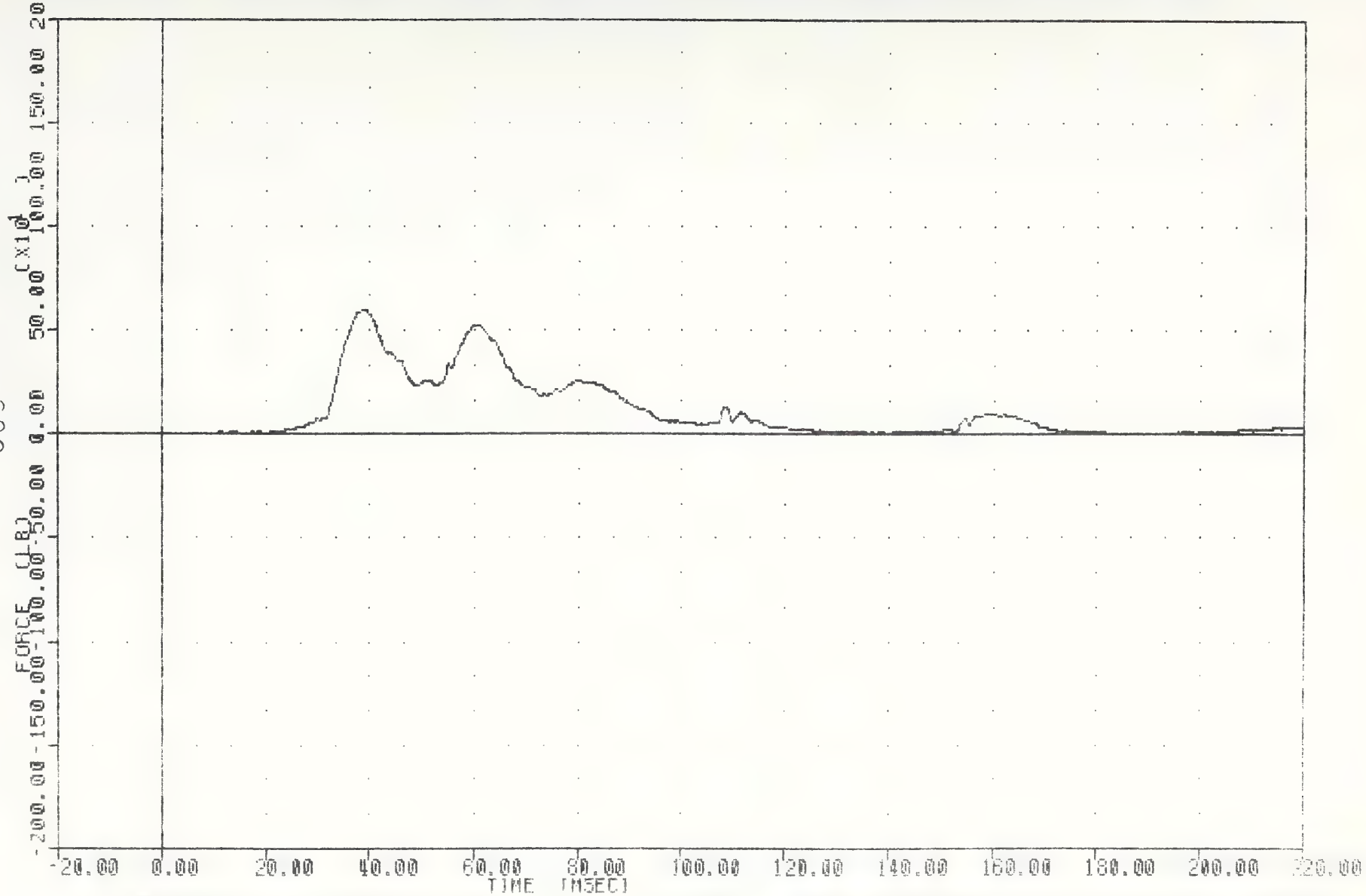
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA MOMENT - [illegible] LB-FT

VATC , RD384-4-19 PLOT DATE 15-APR-85 0:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ .40
ANLYF1 MIN, MAX VALUES = -57.73@ 54.75, 5.28 @ 96.50



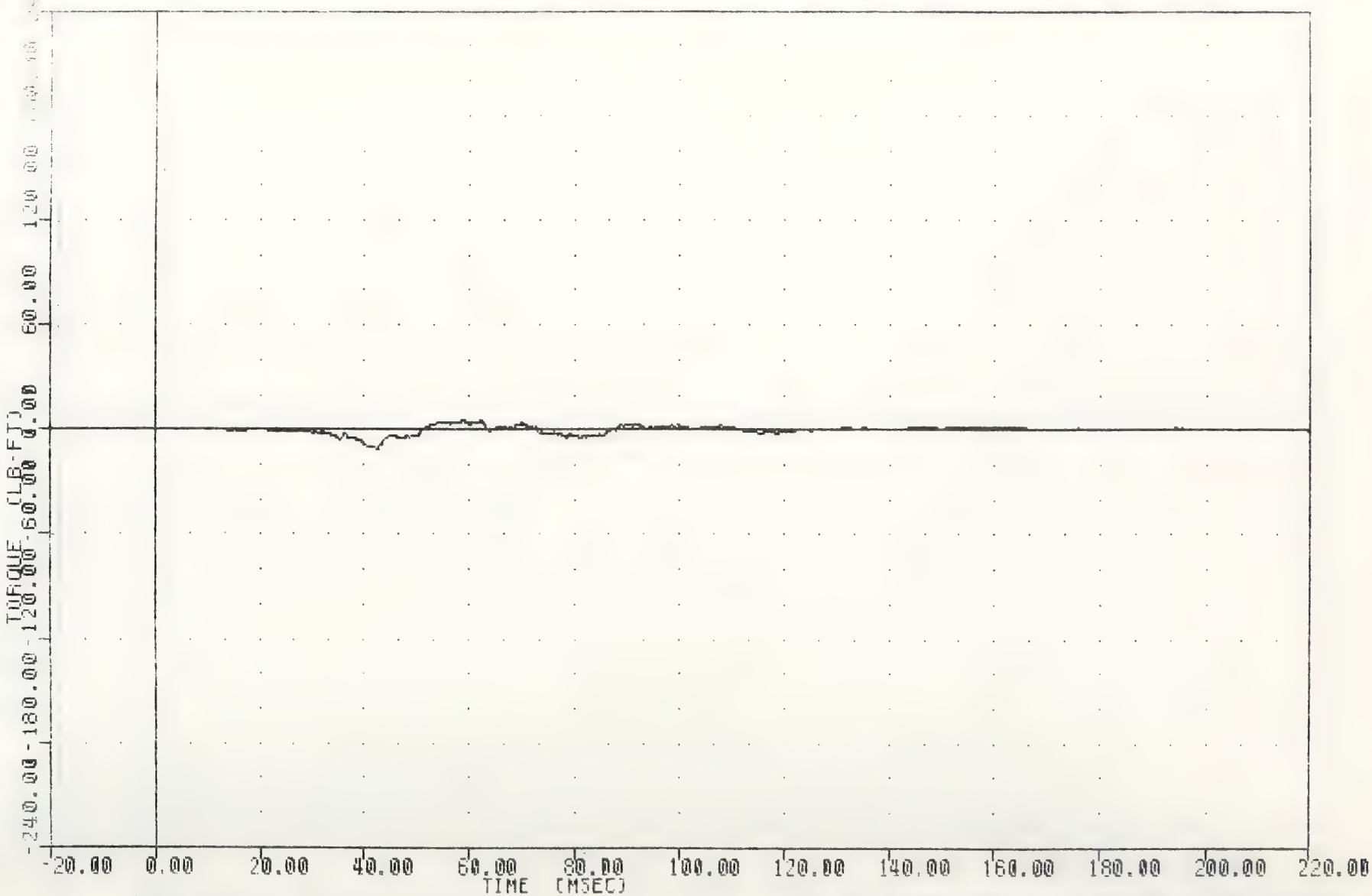
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE Y AXIS LBS

VRTC , RD384-4-18 PLOT DATE 25-APR-85 07:41:26
GREED AIRBAG SLED PROGRAM
85114 FILTER = BLPF 1000/ 3162/ -40
ANLZF1 MIN. MAX VALUES = -2.23@ 3.25 , 599.24 @ 38.88



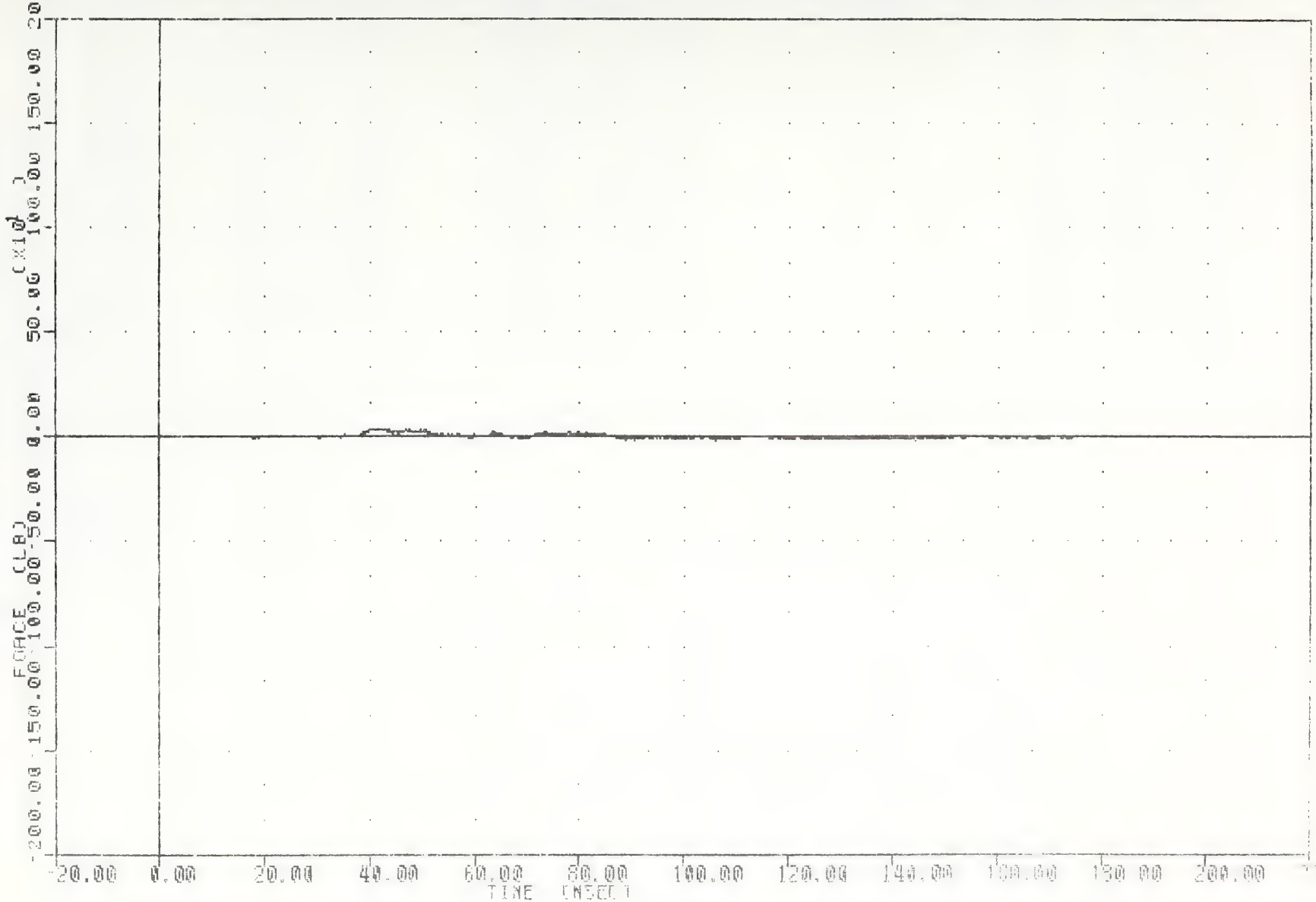
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM

VRTC , 60 [illegible] PLOT DATE 25-APR-85 07:4[illegible]
BREED AIRBAG SLED PROGRAM
65114 FILTER = BLPF: 1000/ 3162/ -40
ANAXM1 MIN. MAX VALUES = -10.78@ 42.50 , 5.35 @ 59.00

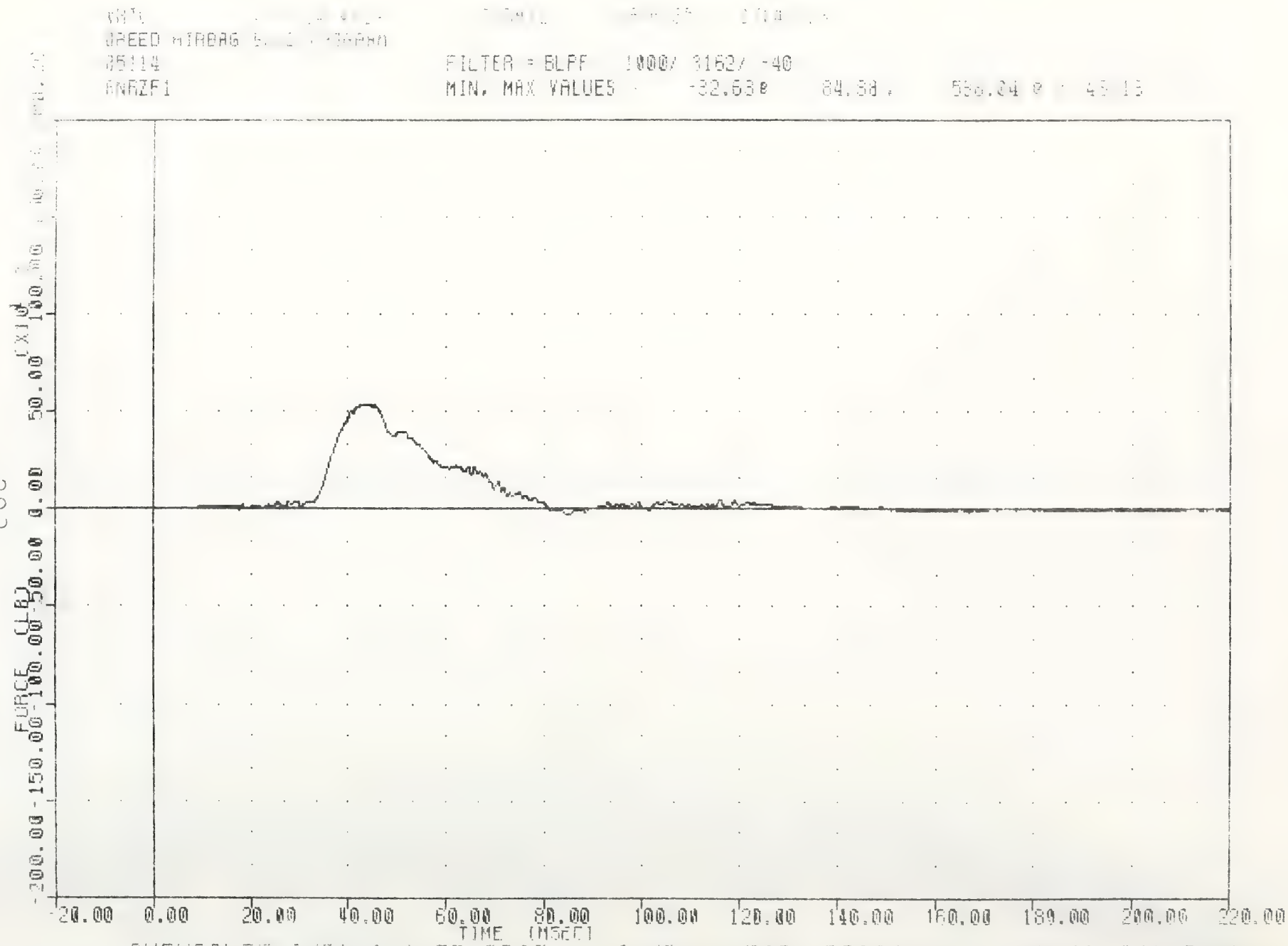


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA MOMENT / AXIS (B-FT

VATC . RD384-4-18 PLOT DATE 25-APR-85 07:41:26
BREED AIRBAG SLED PROGRAM
85114 FILTER = BLFF 1000/ 3162/ -40
ANRYF1 MIN. MAX VALUES = -17.53@ 144.13 , 38.55 @ 42.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM



CHEVROLET IMPALA SLED TEST - 30 MPH 50th PERCENTILE HYBRID III DUMMY

TRC421P.RAD;2
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30-APR-85 09:16
85115 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.078 @ 63.125	1.621 @ -14.875 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-33.038 @ 111.875	0.023 @ -17.000 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.524 @ 57.125	1.137 @ 121.625 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-153.888 @ 75.000	5.608 @ 88.750 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-11.473 @ 88.750	13.678 @ 88.375 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-69.030 @ 88.625	68.746 @ 87.750 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-47.537 @ 115.250	3.847 @ 176.125 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-3.483 @ 90.750	8.683 @ 110.250 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-10.008 @ 92.250	38.250 @ 105.000 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-241.098 @ 76.250	90.364 @ 81.750 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-254.467 @ 80.000	140.093 @ 82.875 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-66.481 @ 89.875	3.954 @ 163.750 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-12.809 @ 85.625	20.277 @ 89.625 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-11.422 @ 75.750	9.456 @ 90.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-2521.722 @ 88.875	84.680 @ 158.125 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-1449.700 @ 84.875	43.390 @ 139.625 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-23.111 @ 57.375	1.783 @ 121.250 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-2.734 @ 118.375	3.784 @ 35.125 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-2.788 @ 111.500	3.910 @ 28.625 msec	g	BLPF 100/ 316/ -40
20	ABT3	-0.041 @ 15.000	2.119 @ 23.125 msec	volt	ALPF 1650/ 5214/ -40
21	ABT4	-1.221 @ 131.375	10.040 @ 85.875 msec	volt	ALPF 1650/ 5214/ -40

TRC421RP.RAD;2
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30-APR-85 09:16
85115 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.060 @ -18.000	154.276 @ 75.000 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.022 @ -7.125	48.495 @ 115.125 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.031 @ -5.375	70.042 @ 89.875 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.048 @ -17.000	23.113 @ 57.250 msec	g	BLPF 100/ 316/ -40

TRC421IP.RAD;3
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30-APR-85 09:16
85115 30.00 mph

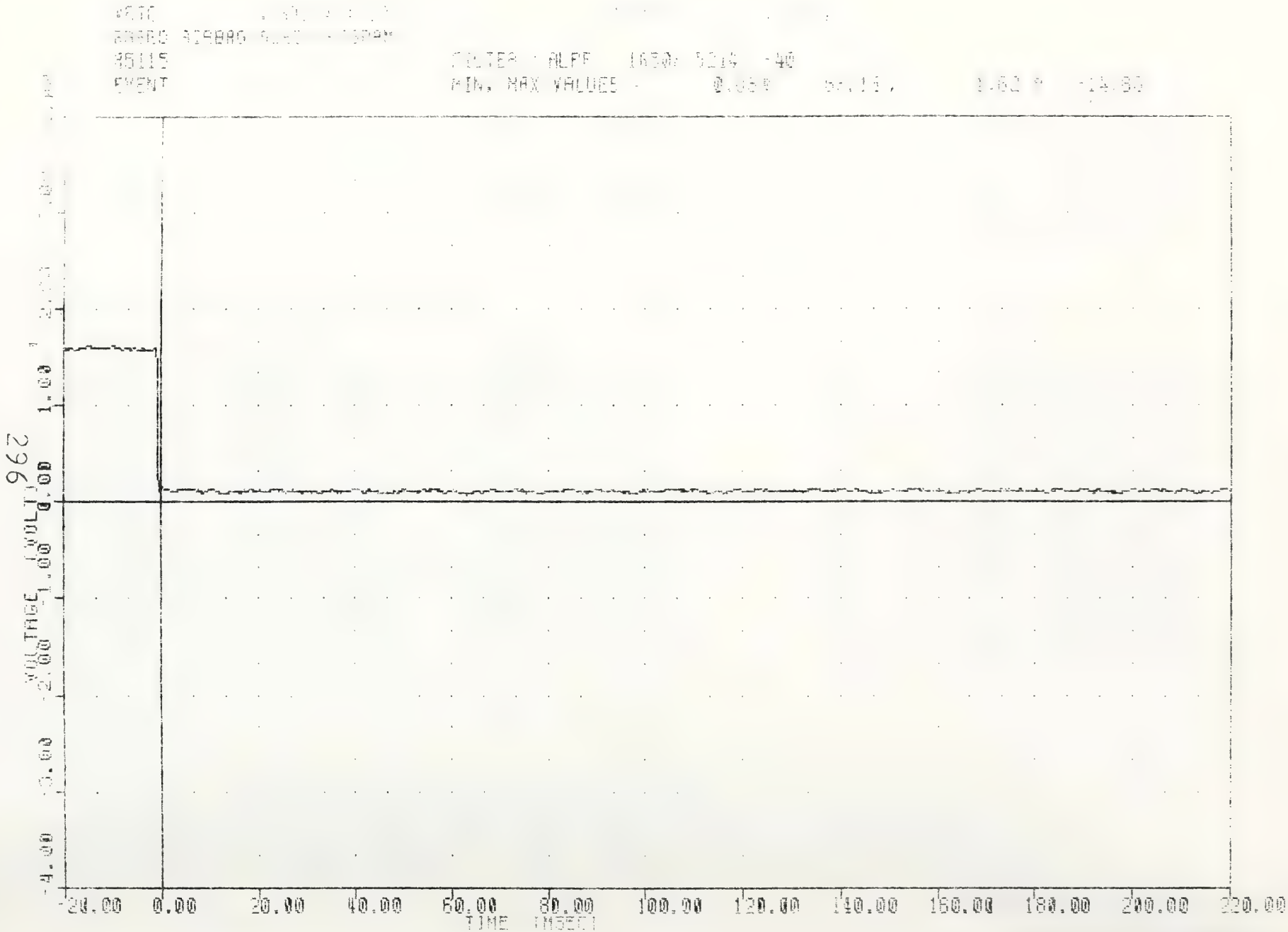
		Min value	Max value	Data Units	Filter
1	HEDXV1	-42.733 @ 205.750	0.960 @ 74.500 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-54.976 @ 220.000	0.093 @ 76.500 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-33.920 @ 139.125	-0.124 @ -19.625 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-47.328 @ 220.000	-0.076 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-30.734 @ 147.625	0.380 @ 4.500 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-45.789 @ 220.000	0.384 @ 29.875 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-32.655 @ 114.375	0.032 @ -20.000 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.733 @ 220.000	0.020 @ -4.750 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-32.225 @ 113.625	-0.265 @ -13.000 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-62.142 @ 220.000	-0.141 @ -20.000 msec	in	BLPF 300/ 949/ -40

TRC421AP.RAD;2
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30-APR-85 09:16
85109 30.00 mph

		Min value	Max value	Data Units	Filter
1	HD2ZG1	-49.560 @ 89.000	173.750 @ 75.000 msec	g	ALPF 1650/ 5214/ -40
2	NEKXF1	-355.319 @ 114.375	95.852 @ 146.125 msec	lb	BLPF 100/ 316/ -40
3	NEKYM1	-255.361 @ 112.250	32.160 @ 146.125 msec	lb-ft	BLPF 100/ 316/ -40
4	NEKZF1	-75.447 @ 104.875	83.227 @ 129.250 msec	lb	BLPF 100/ 316/ -40
5	CSTXD1	-0.027 @ 52.125	2.815 @ 118.750 msec	in	BLPF 300/ 949/ -40
6	KNLF1	-206.822 @ 40.250	826.901 @ 88.875 msec	lb	BLPF 1000/ 3162/ -40
7	KNLFA	-286.968 @ 43.125	423.837 @ 89.000 msec	lb	BLPF 1000/ 3162/ -40
8	KNRF1	-390.609 @ 45.250	73.776 @ 99.375 msec	lb	BLPF 1000/ 3162/ -40
9	KNRFA	-212.442 @ 75.500	23.980 @ 30.625 msec	lb	BLPF 1000/ 3162/ -40
10	TBLXM1	-37.026 @ 94.250	33.707 @ 89.875 msec	lb-ft	BLPF 1000/ 3162/ -40
11	TBLYM1	-59.531 @ 128.250	294.371 @ 88.750 msec	lb-ft	BLPF 1000/ 3162/ -40
12	TBRXM1	-28.472 @ 43.750	27.533 @ 64.250 msec	lb-ft	BLPF 1000/ 3162/ -40
13	TBRYM1	-71.311 @ 56.000	40.618 @ 81.250 msec	lb-ft	BLPF 1000/ 3162/ -40
14	ANLXM1	-10.031 @ 43.625	37.416 @ 48.125 msec	lb-ft	BLPF 1000/ 3162/ -40
15	ANLYF1	-68.026 @ 47.625	45.090 @ 103.125 msec	lb	BLPF 1000/ 3162/ -40
16	ANLZF1	-91.656 @ 110.250	597.033 @ 40.125 msec	lb	BLPF 1000/ 3162/ -40
17	ANRXM1	-12.664 @ 43.250	58.782 @ 63.750 msec	lb-ft	BLPF 1000/ 3162/ -40
18	ANRYF1	-92.105 @ 62.875	133.968 @ 62.250 msec	lb	BLPF 1000/ 3162/ -40
19	ANRZF1	-24.839 @ 169.000	680.196 @ 44.625 msec	lb	BLPF 1000/ 3162/ -40

```
                                HEDRG1

* * *   HIC computation for [SLED.BREED]TRC421RP.RAD;2        30-APR-85 09:38:48

HEDRG1       VRTC         RD384-4-20  85115         BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 150.625 msec      Peak accel = 154.28 @  75.000

HIC =  586.08      Interval from  87.000 [ 857] to 114.750 [1079]

HIC =  442.20      Interval from  93.000 [ 905] to 108.000 [1025]
```

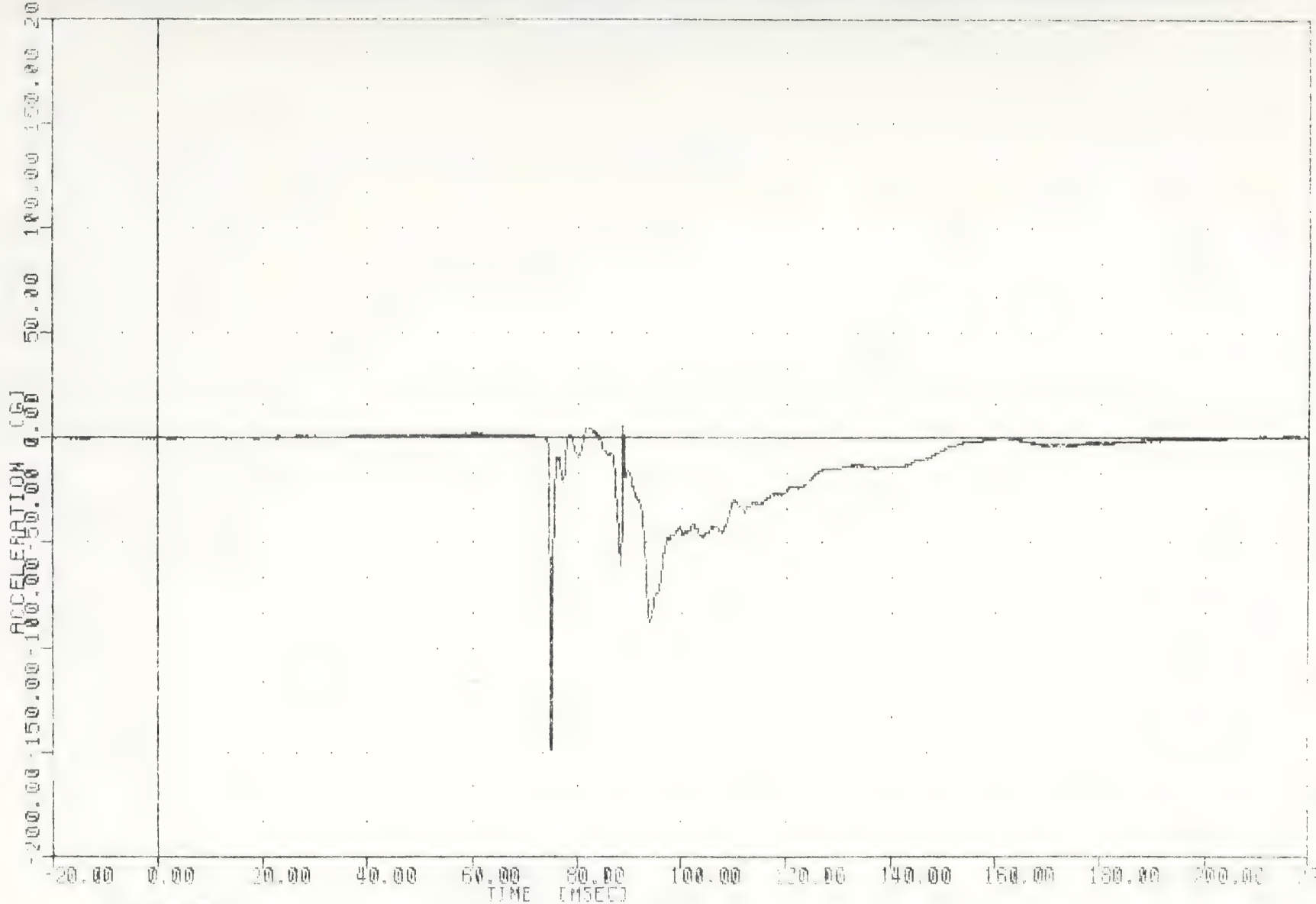
```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC421RP

File TRC421RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-20  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC421RP.RAD;2                                VRTC        RD384-4-20
BREED AIRBAG SLED PROGRAM        30.0 mph      85115         30-APR-85 09:39:42
Deltax: 0.125

3 MS CLIP PEAK:    47.45013

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID II DUMMY

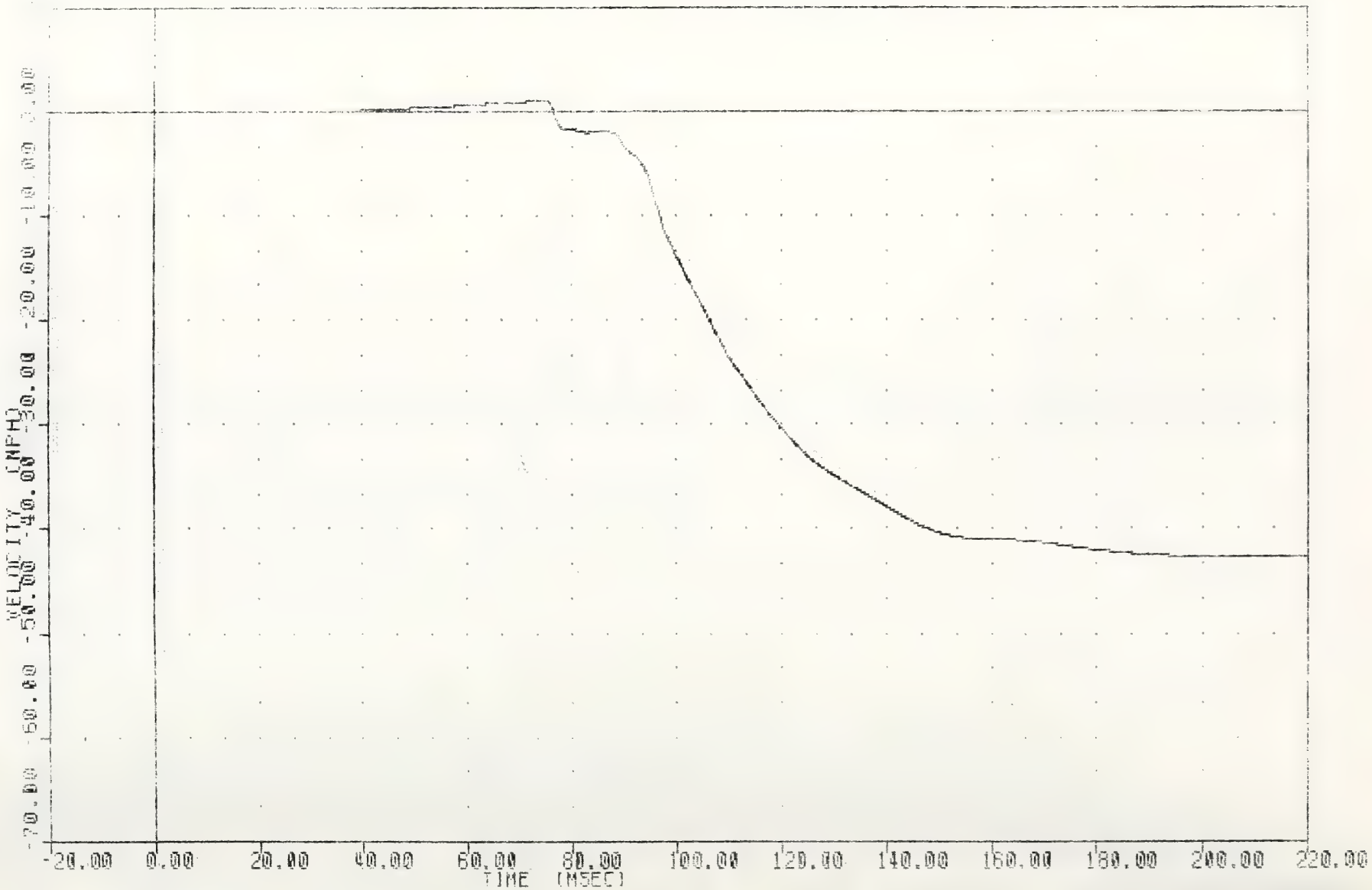
VRTC
BREED AIRBAG SLED PROGRAM
85115
HEDXG1

FILTER = ALPF 1650/ 5214/ 40
MIN, MAX VALUES = -153.89@ 75.00, 5.61 @ 88.75



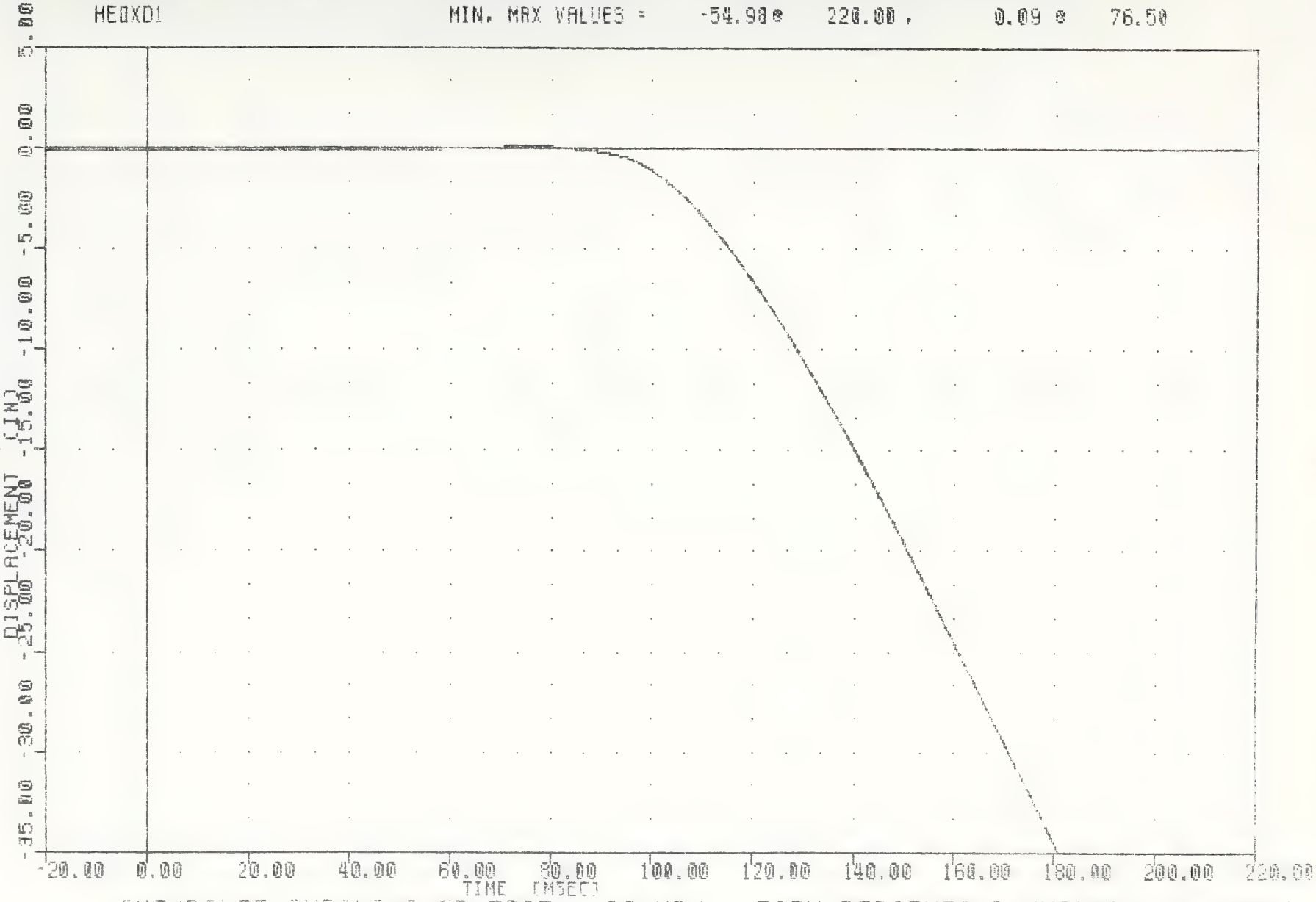
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

VRTC , R0584-4-20 PLOT DATE 20-APR-85 11:18:
SREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
HEDC(1) MIN, MAX VALUES = -42.730 205.75 , 0.96 @ 74.50

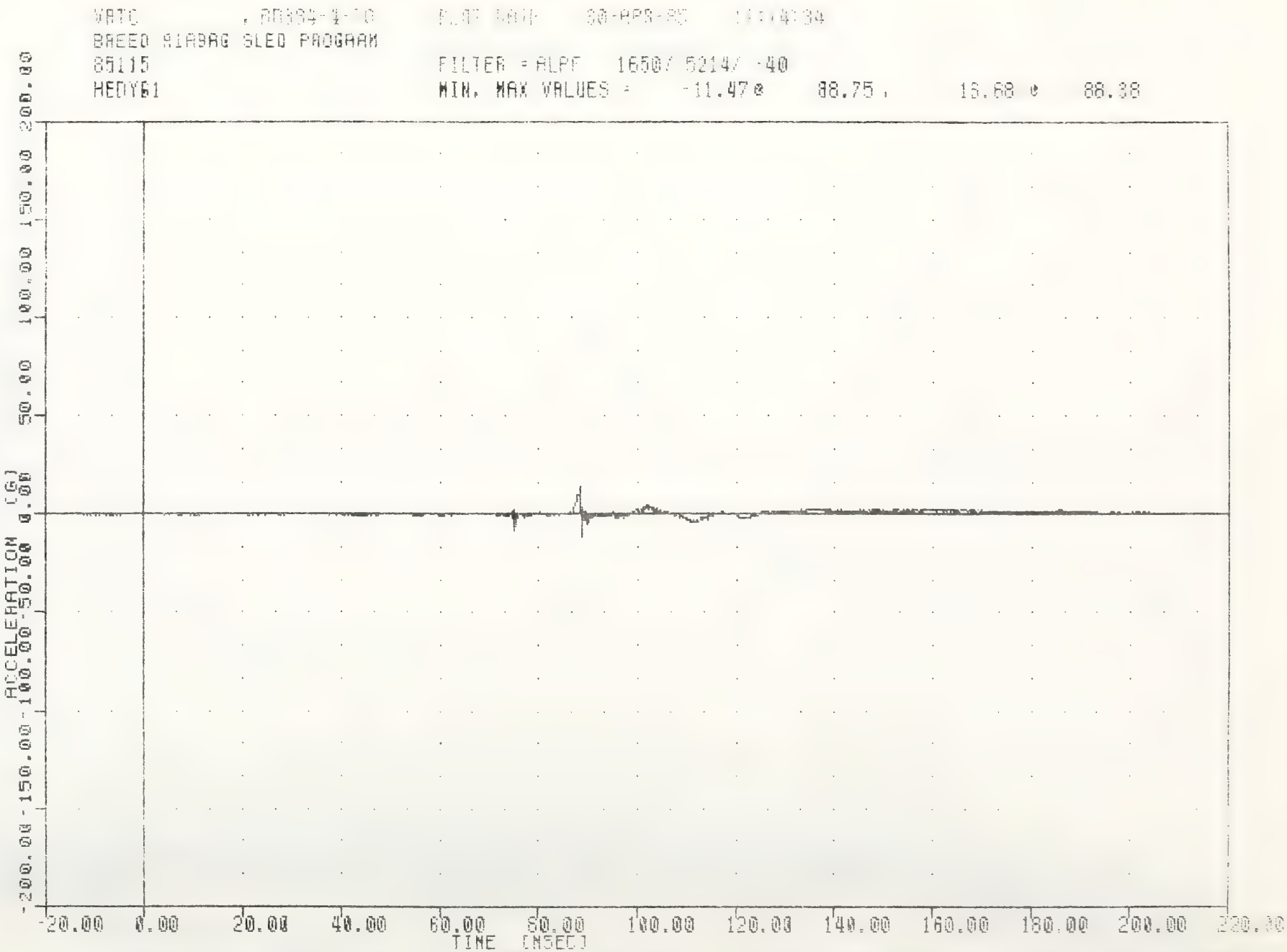


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA - SINE HEAVY

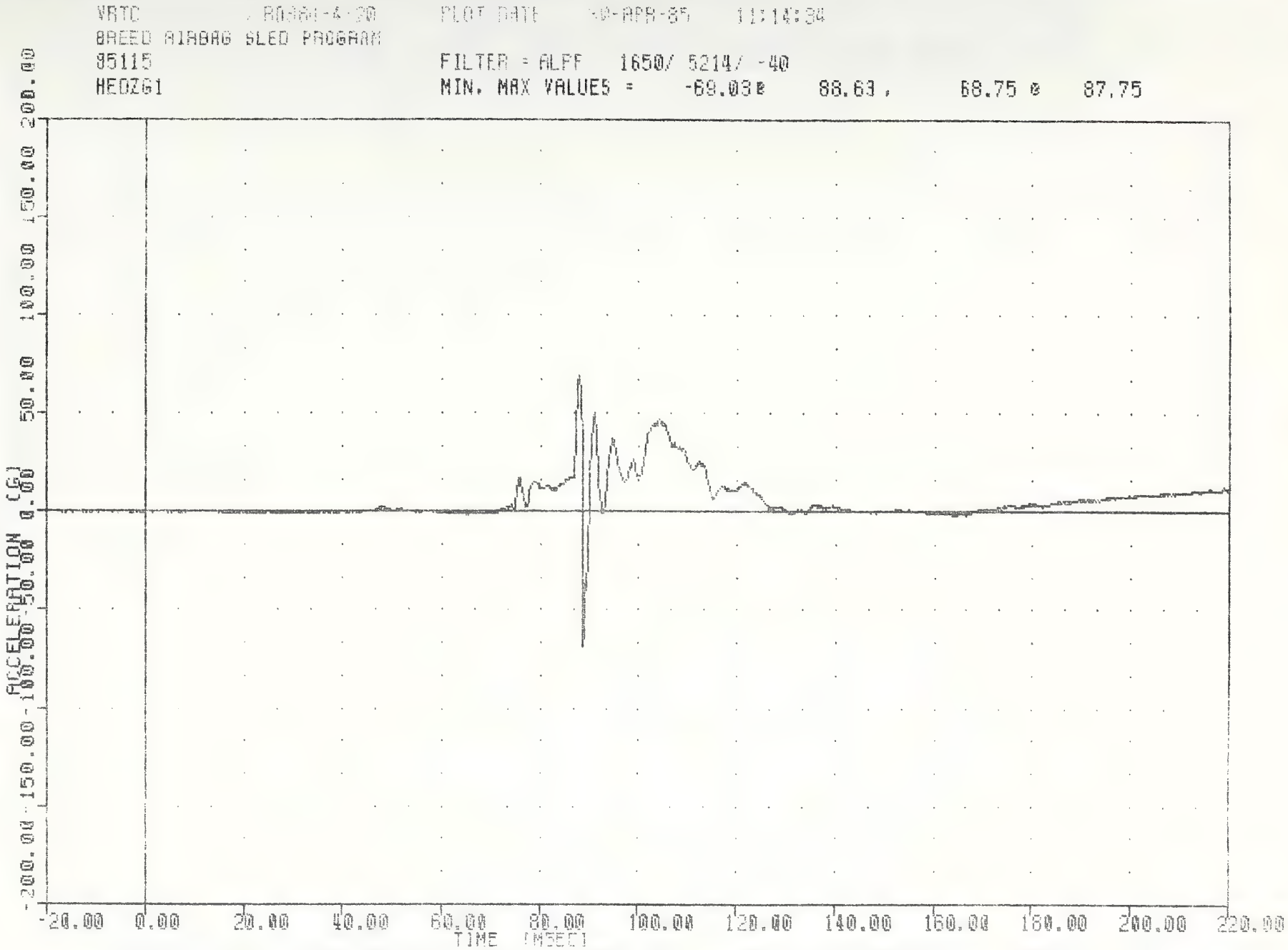
VRTC , RDSR4-4-20 PLOT DATE 30-APR-85 11:18:09
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN. MAX VALUES = -54.98@ 220.00 , 0.09 @ 76.50



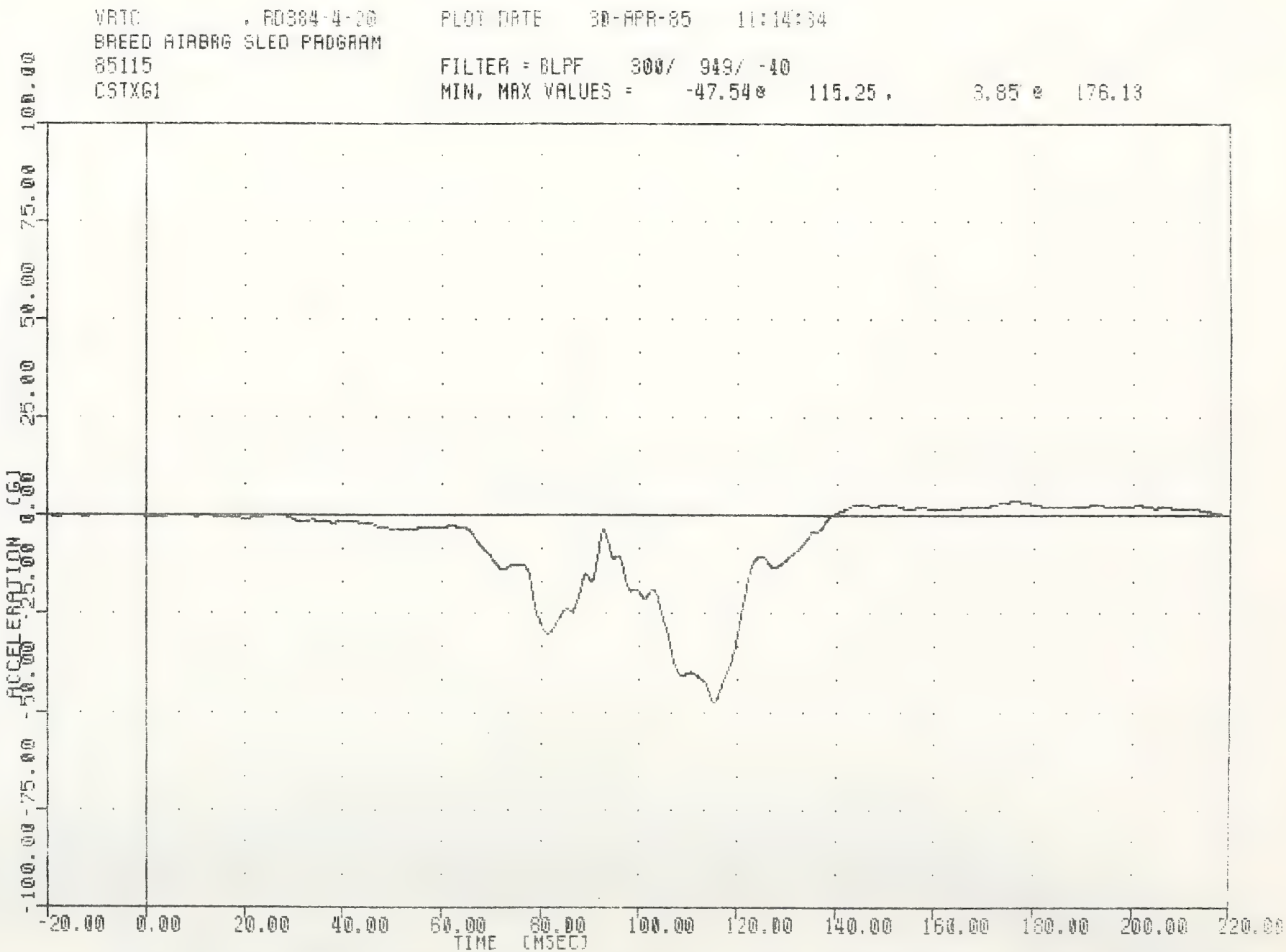
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA - 1STHD HEDXV1



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

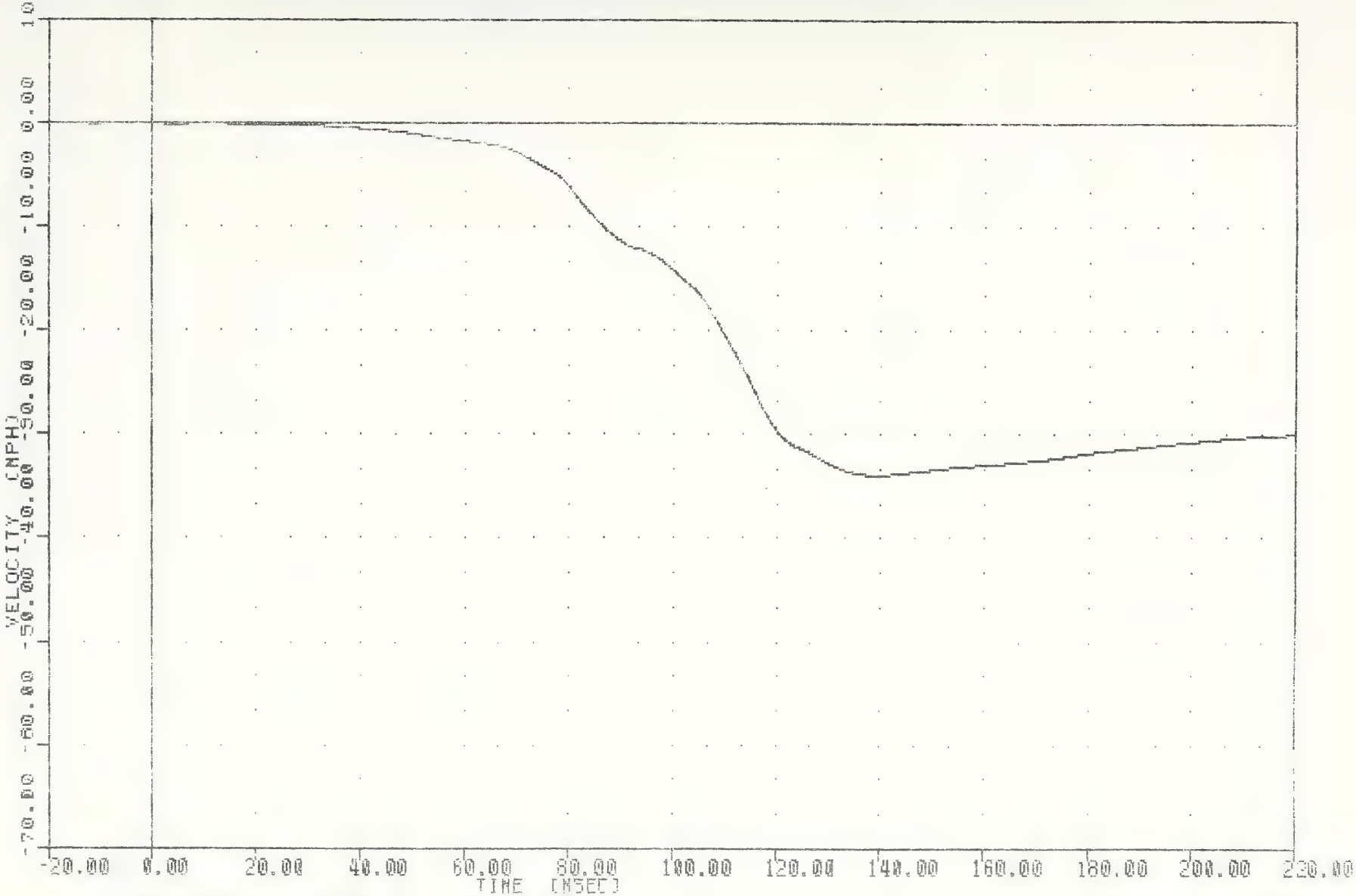


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS



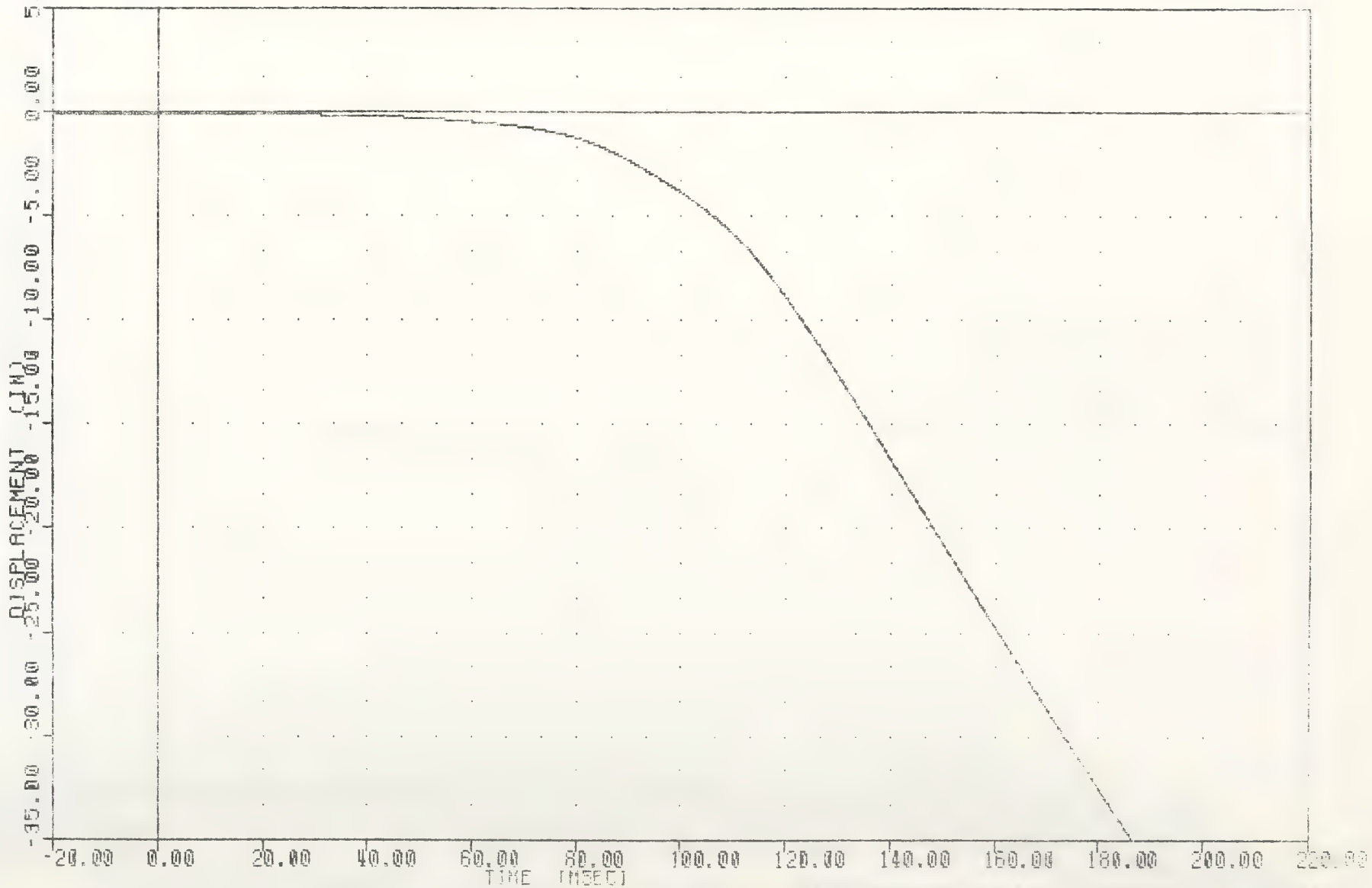
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION / ANG

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:18:09
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
CSTXV1 MIN, MAX VALUES = -33.92@ 139.13 , -0.12 @ -19.63



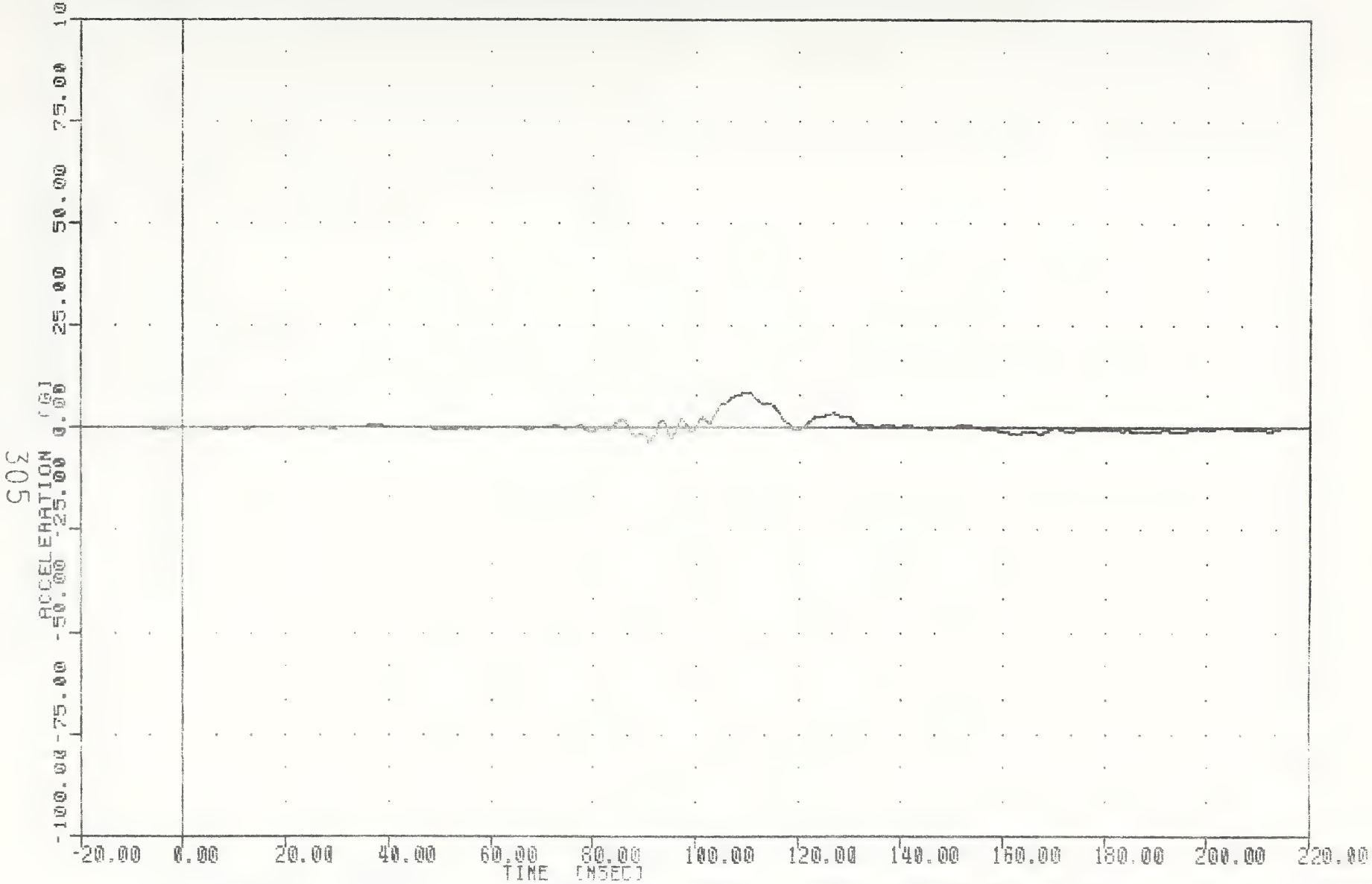
CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DOUBLE-LATCH SEAT

VRTC . RD384-4-20 PLOT DATE 30-APR-85 11:18:09
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN. MAX VALUES = -47.33@ 220.00 , -0.08@ -20.00

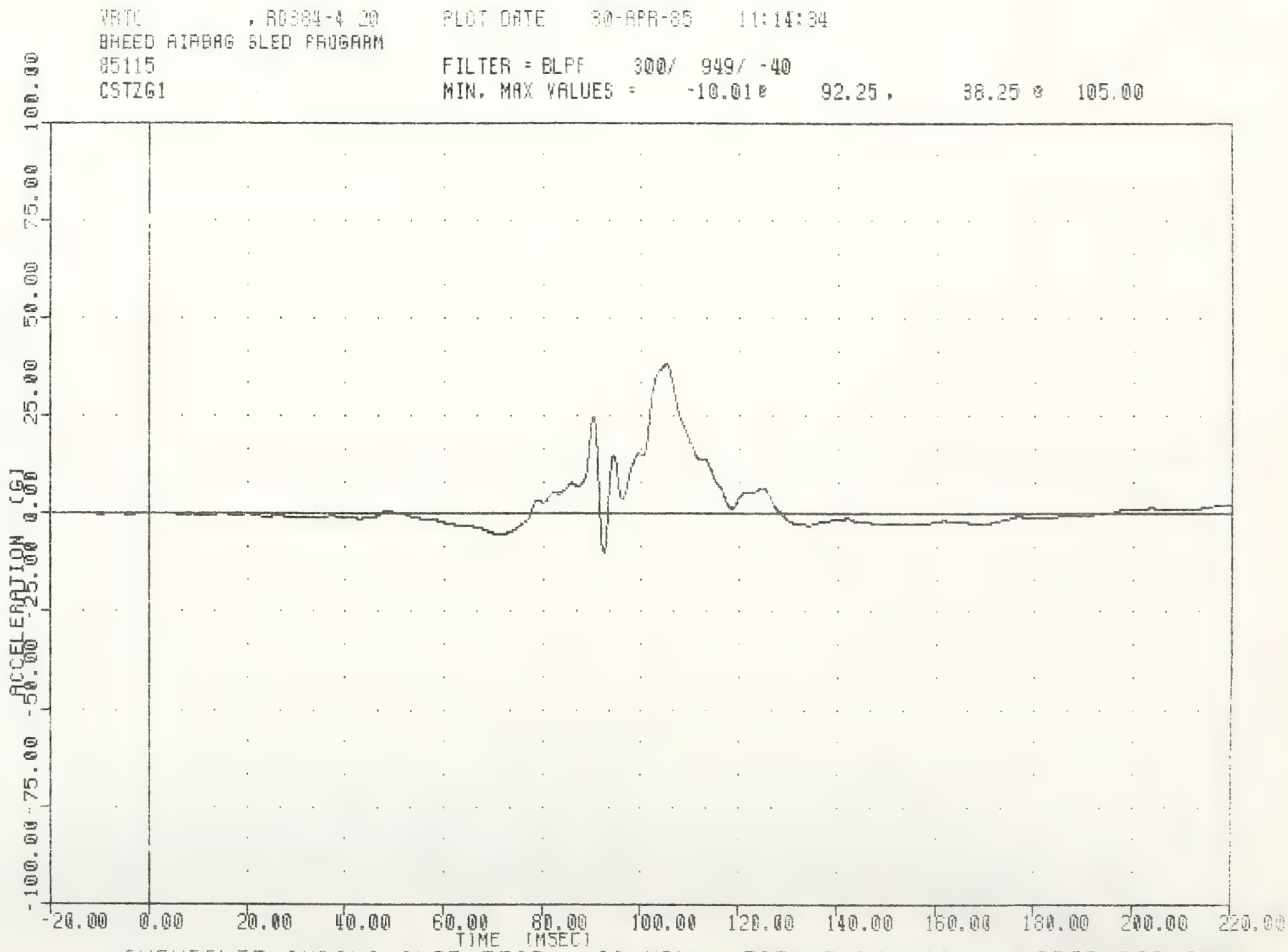


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
[illegible]

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
CSTYG1 MIN. MAX VALUES = -3.48 @ 90.75 , 8.68 @ 110.25

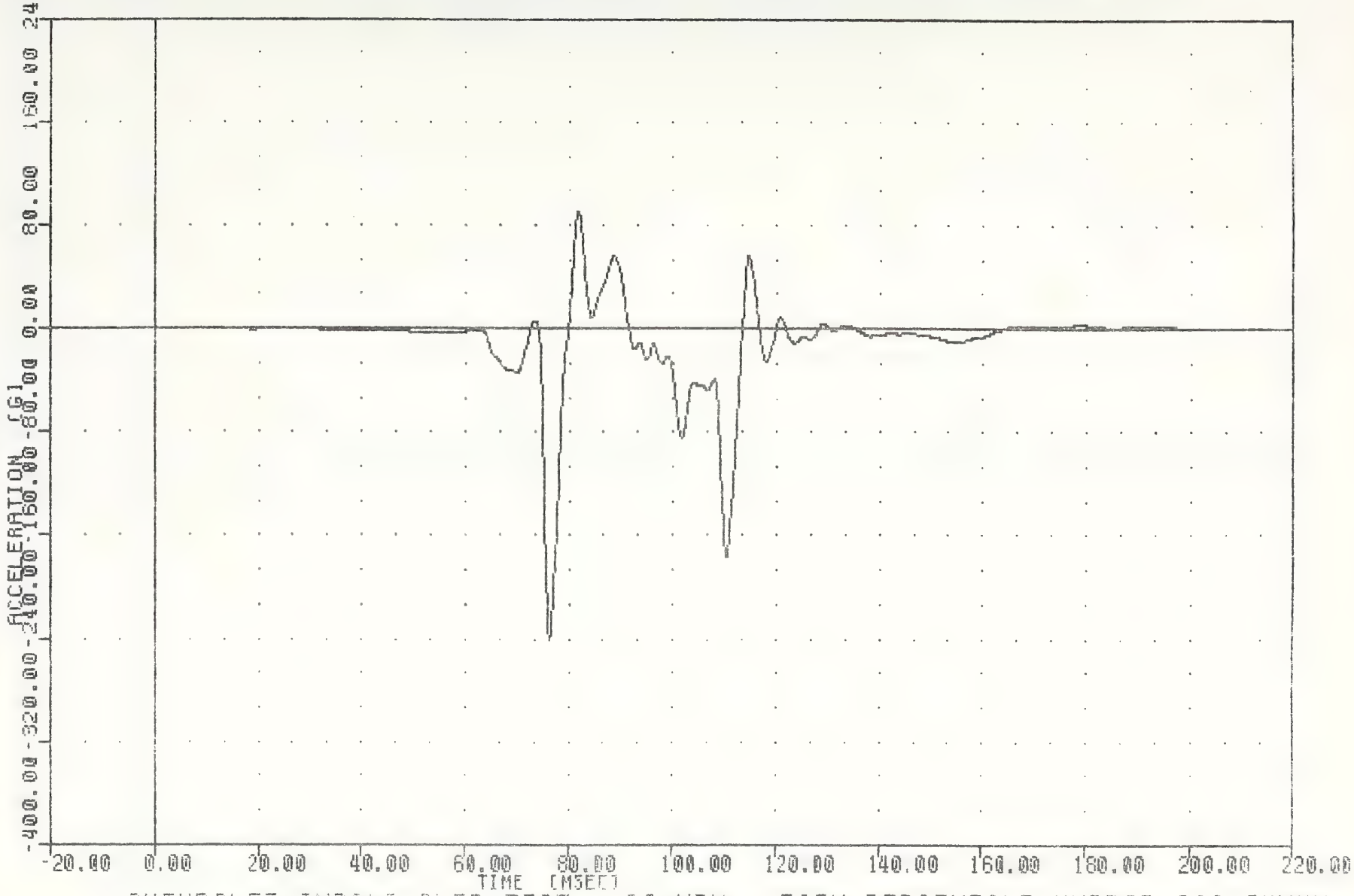


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION X AXIS



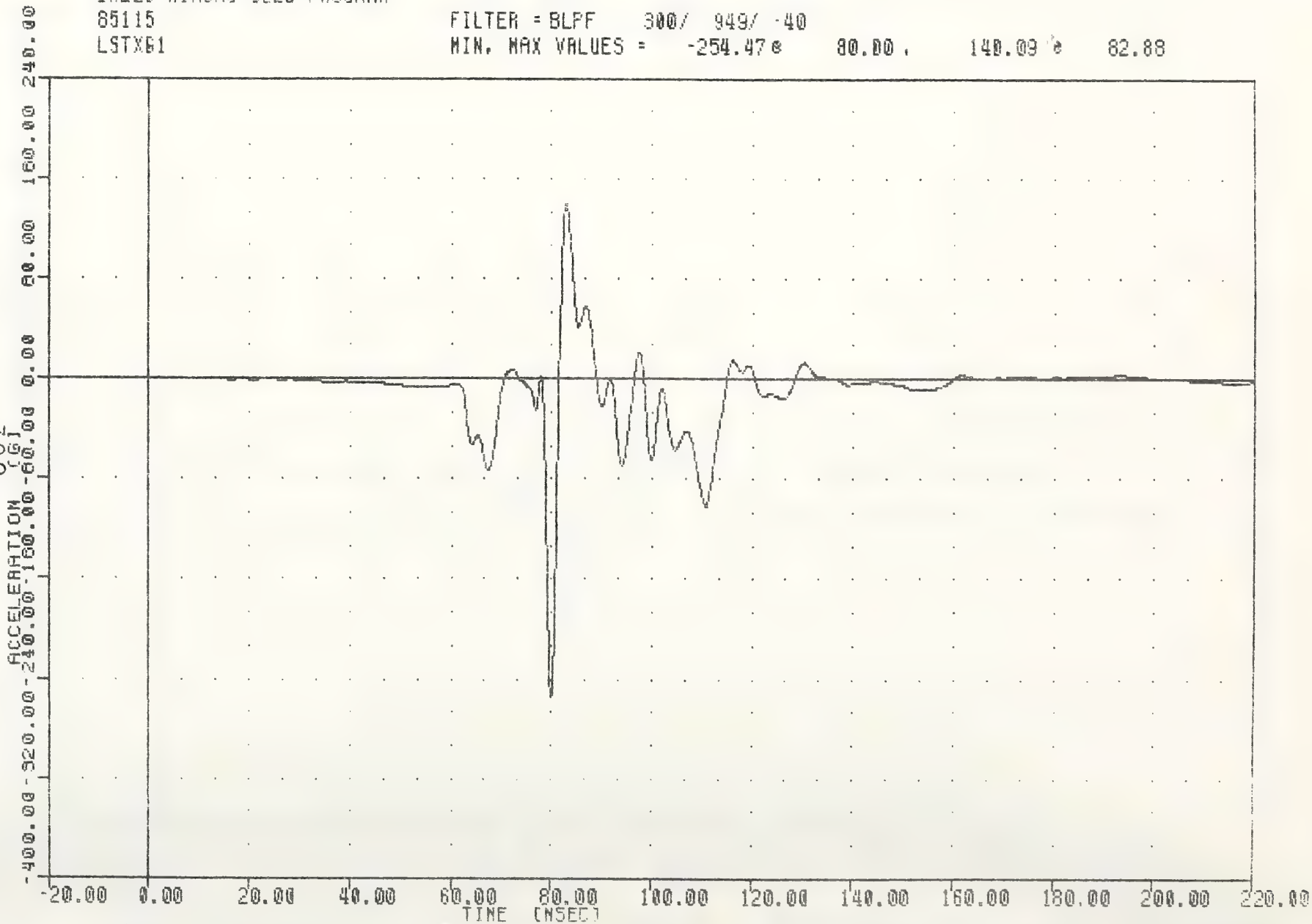
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
UPPER CHEST ACCELERATION

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
USTXG1 MIN, MAX VALUES = -241.10@ 76.25 , 90.36 @ 81.75



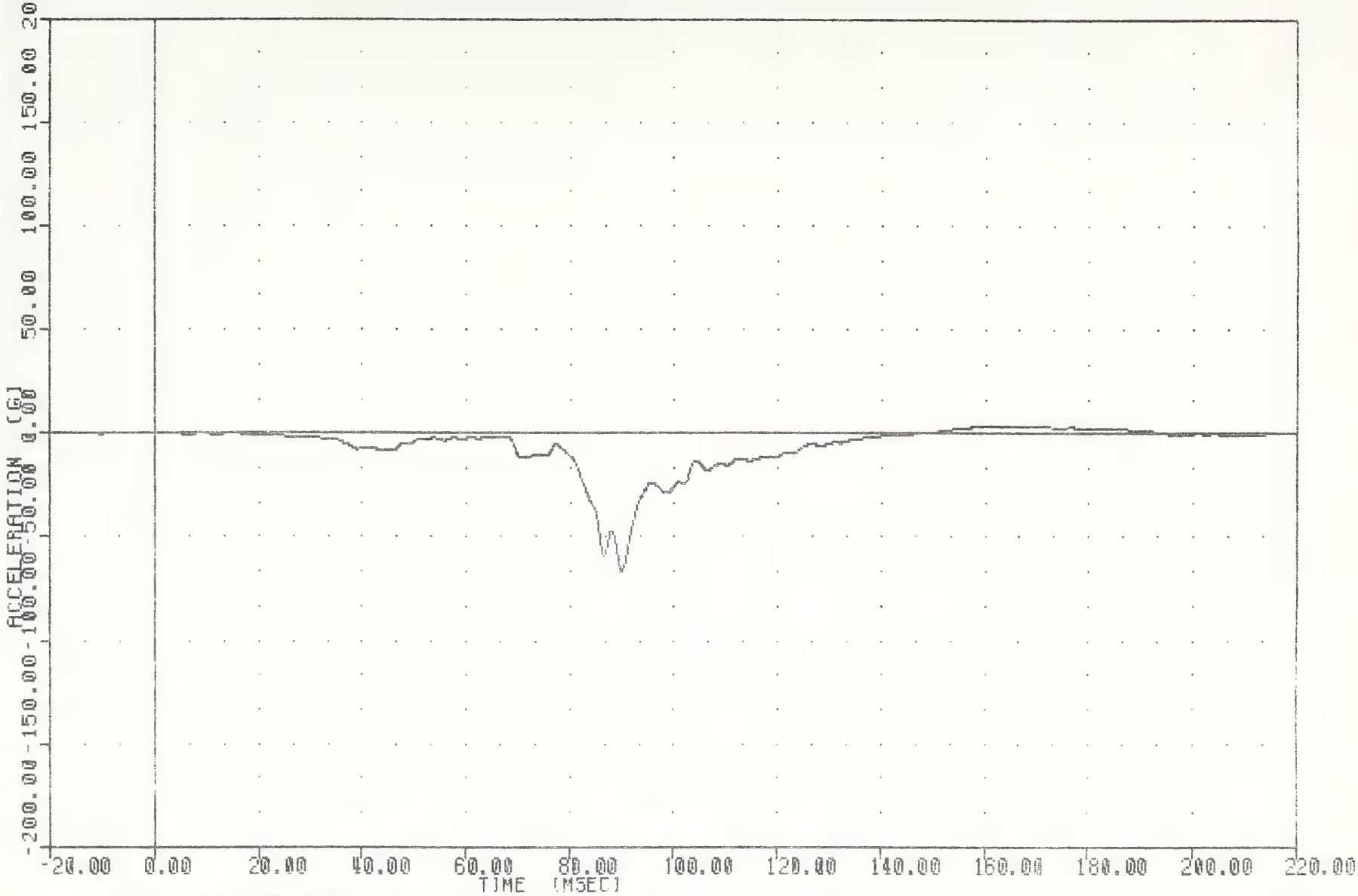
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

VATC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
LSTX61 MIN, MAX VALUES = -254.47 @ 80.00 , 140.09 @ 82.88

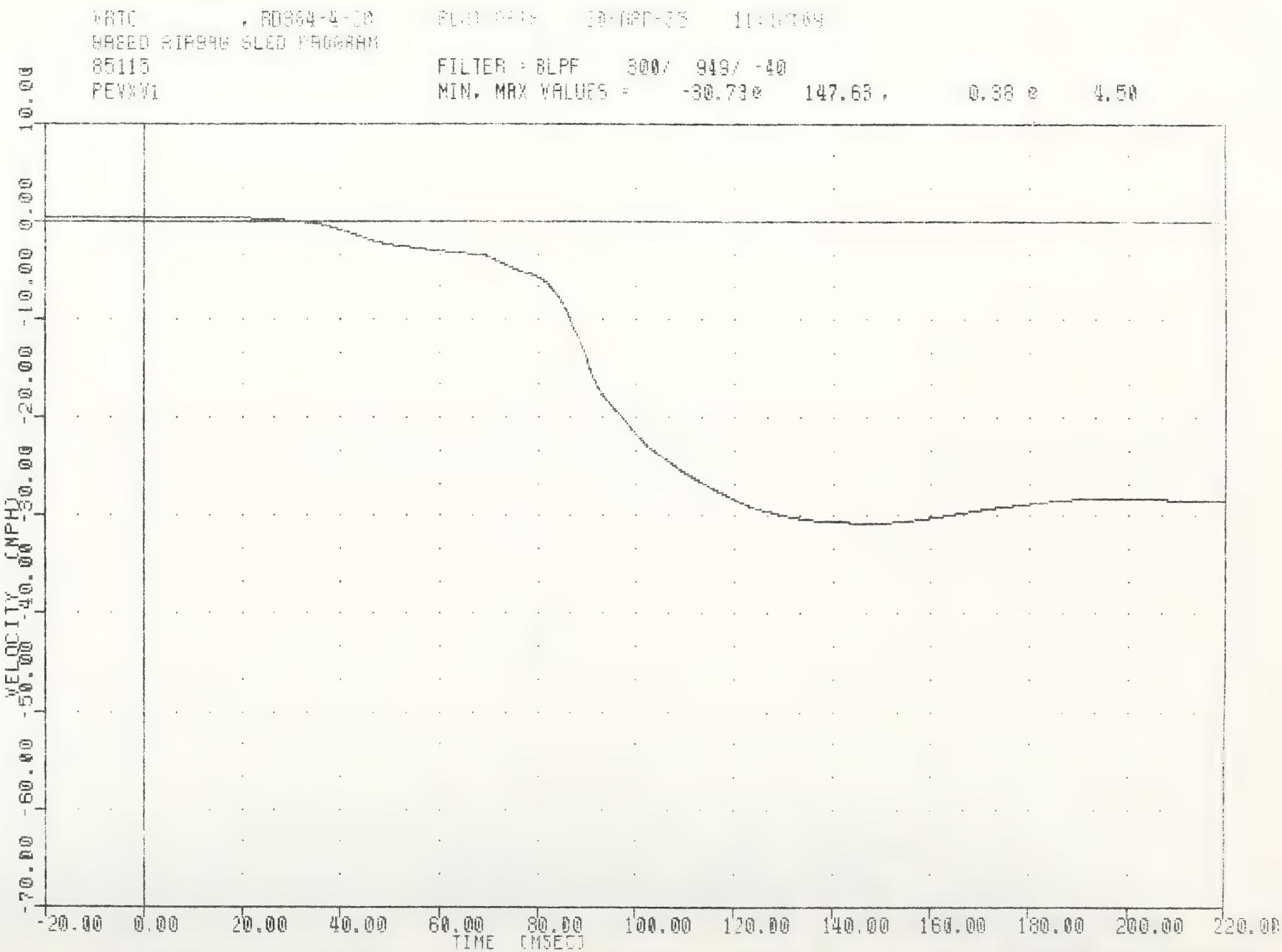


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

VRTC , R0384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
PEVXG1 MIN, MAX VALUES = -66.48 @ 89.88 , 3.95 @ 163.75

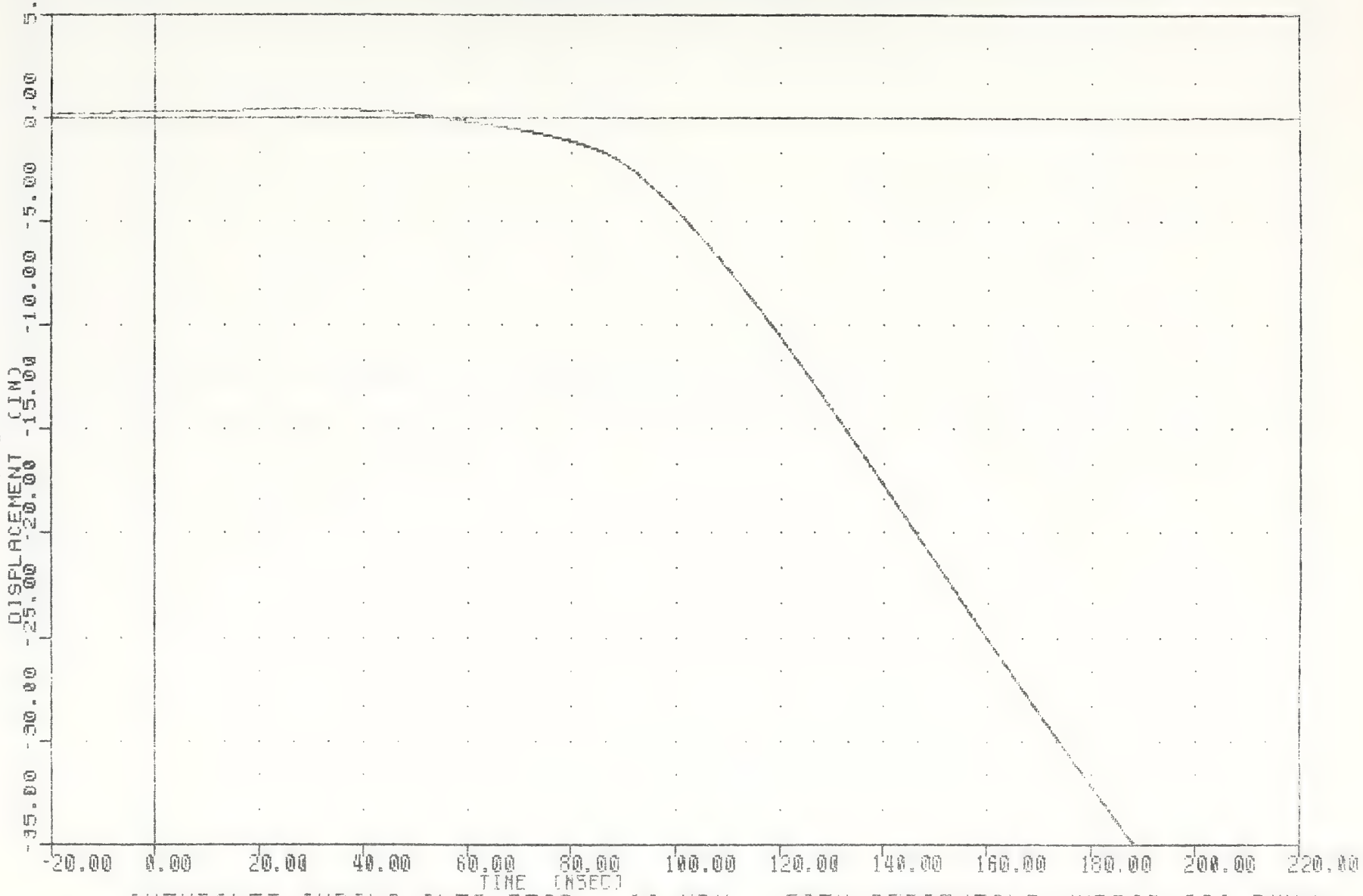


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION X AXIS



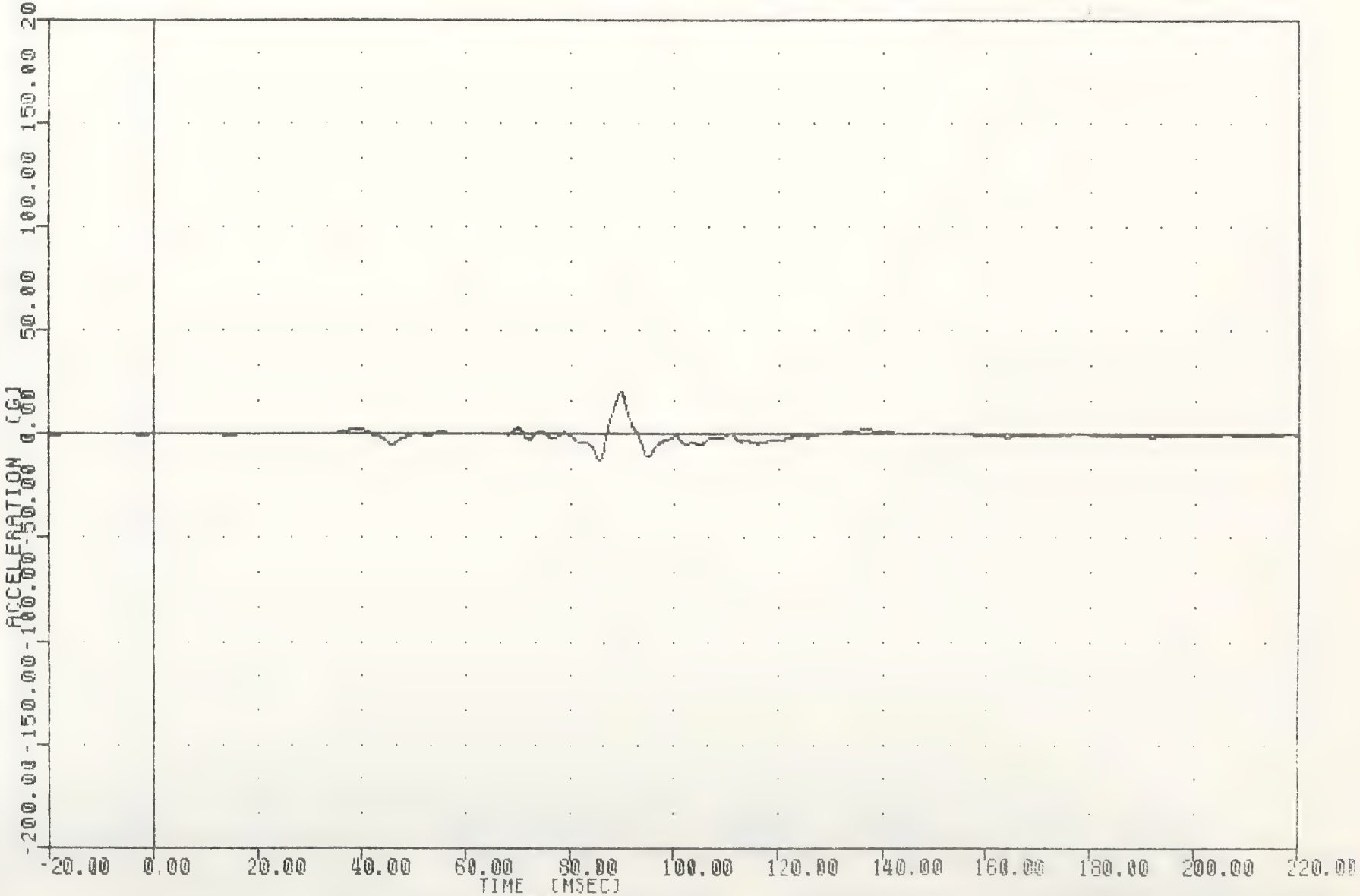
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEVXV1

VATC , RD384-4-20 PLOT DATE 30 APR-85 11:18:09
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
PEVXD1 MIN, MAX VALUES = -45.79 @ 220.00 , 0.38 @ 29.88



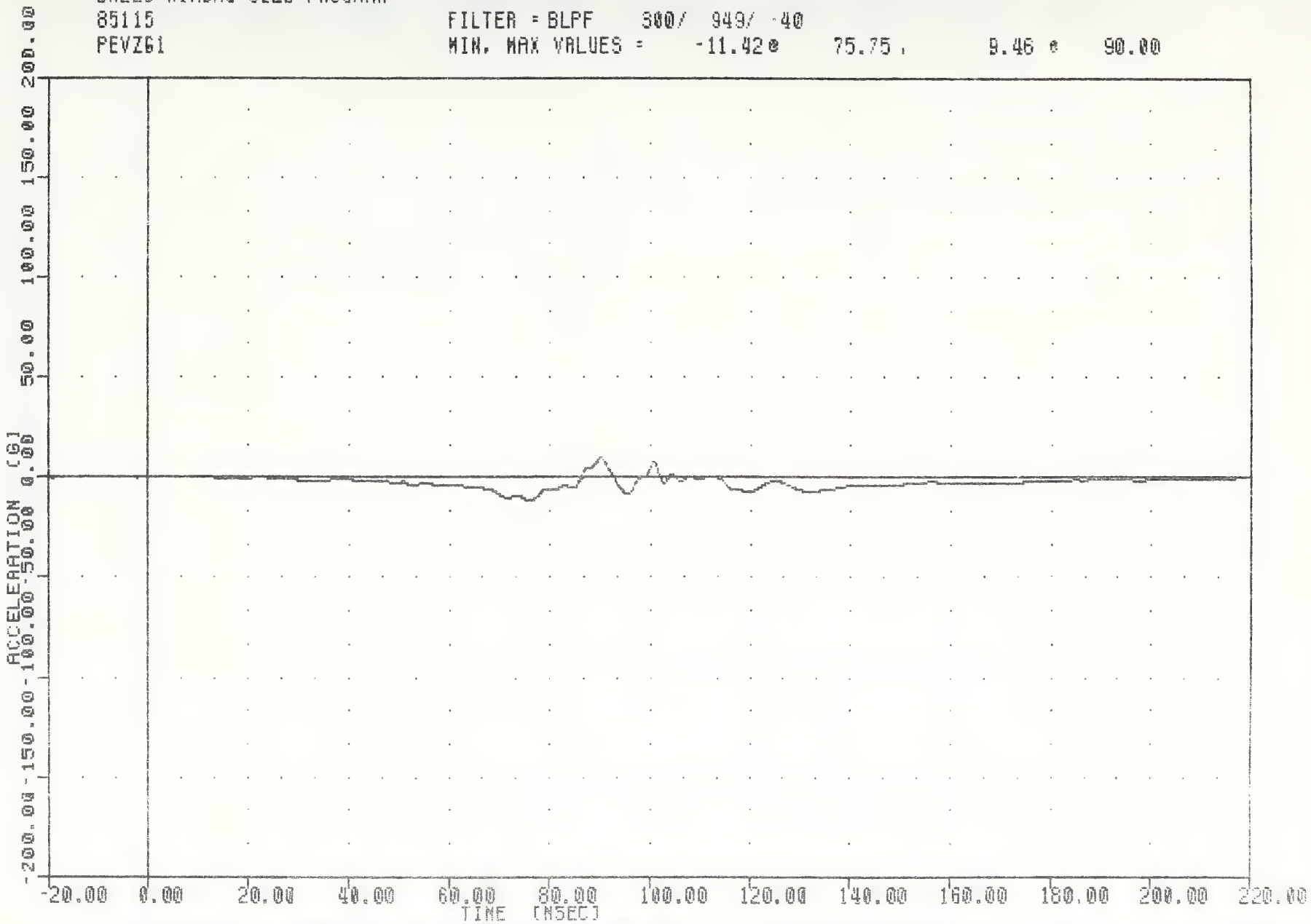
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEVXD1

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
PEVYG1 MIN, MAX VALUES = -12.81@ 85.63 , 20.28 @ 89.63



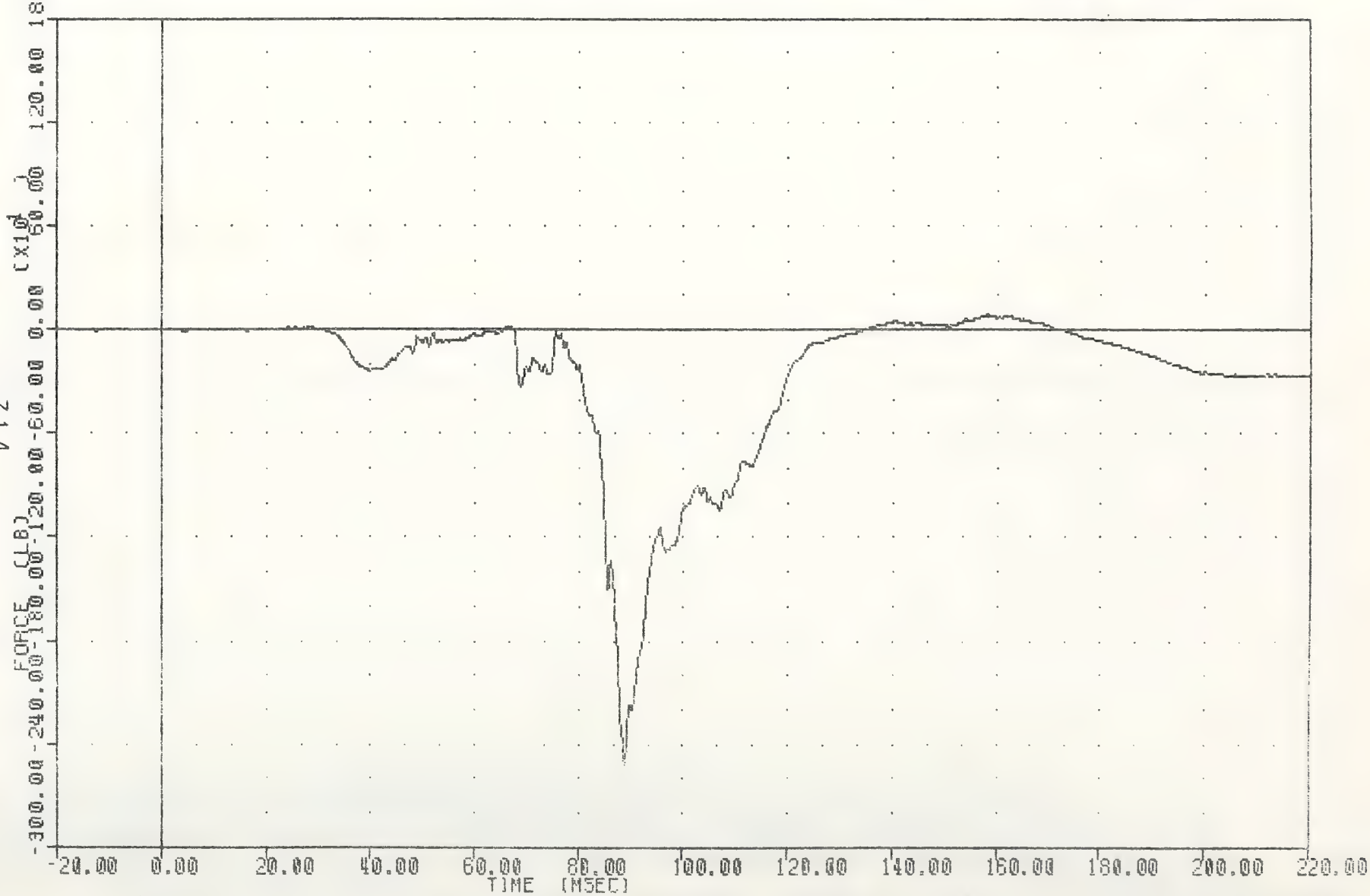
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
PEVZ61 MIN. MAX VALUES = -11.42 @ 75.75 , 9.46 @ 90.00



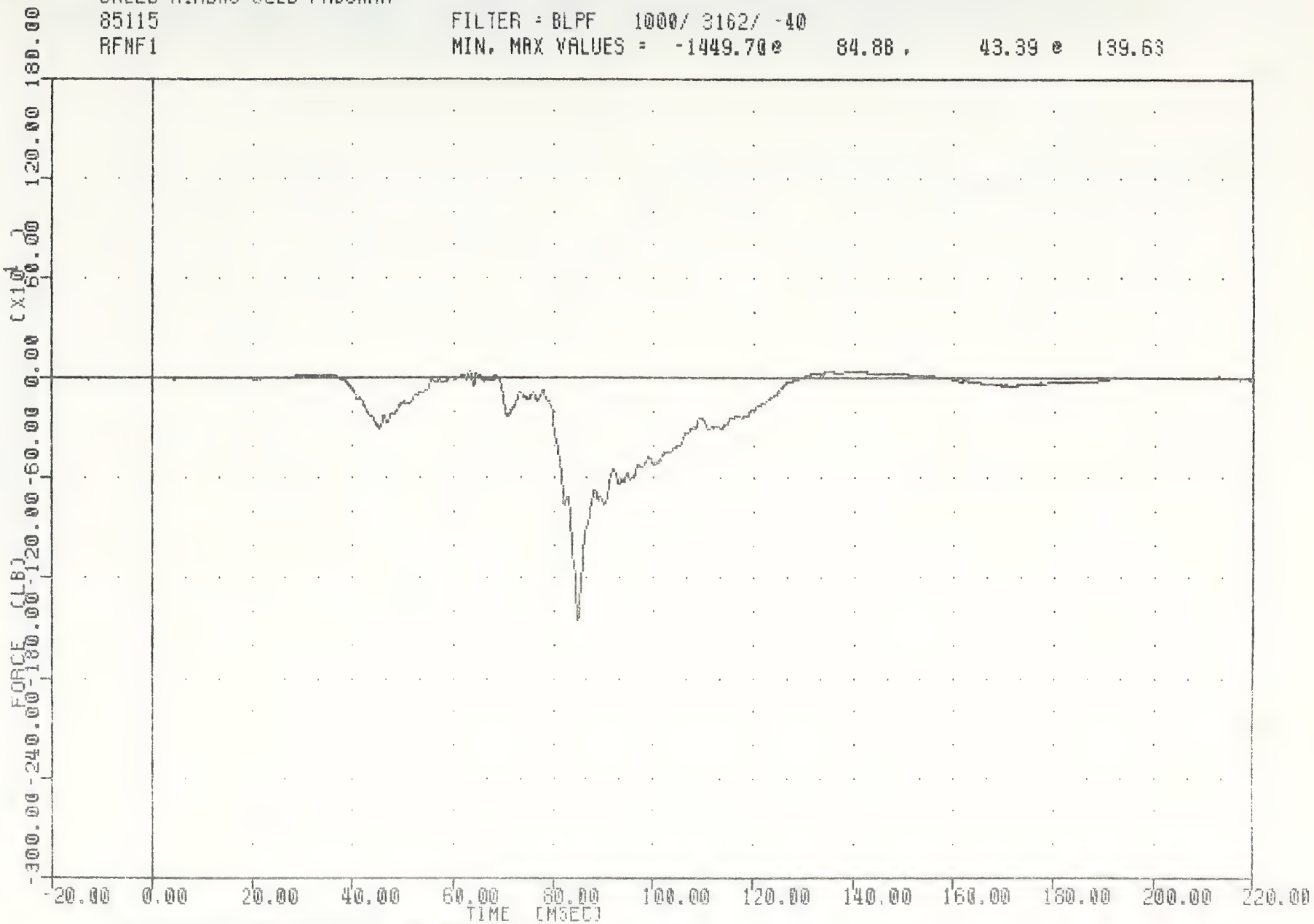
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 1000/ 3162/ -40
LFMF1 MIN, MAX VALUES = -2521.72@ 88.88 , 84.68 @ 158.13



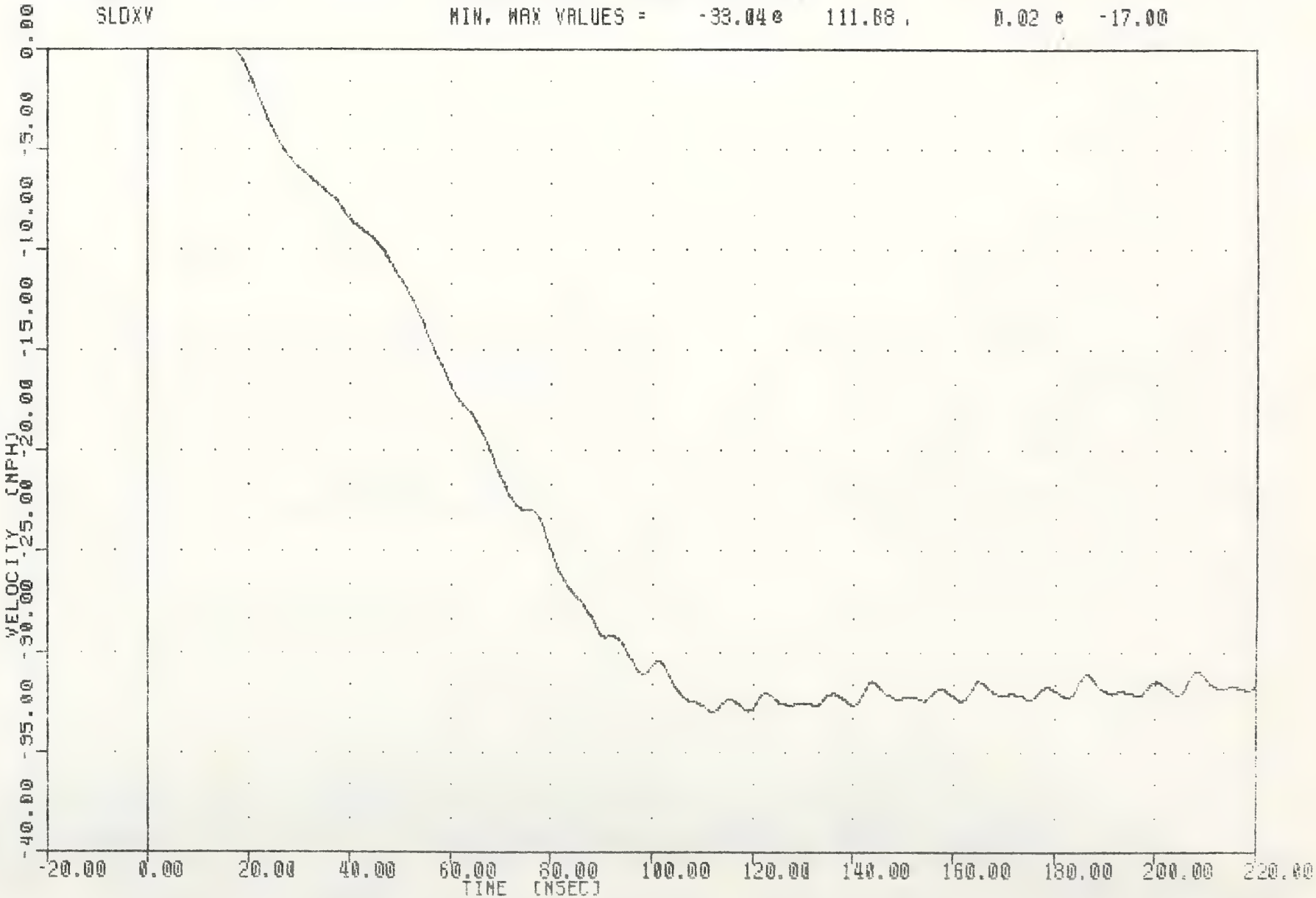
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 1000/ 3162/ -40
RFNF1 MIN, MAX VALUES = -1449.70@ 84.88 , 43.39 @ 139.63



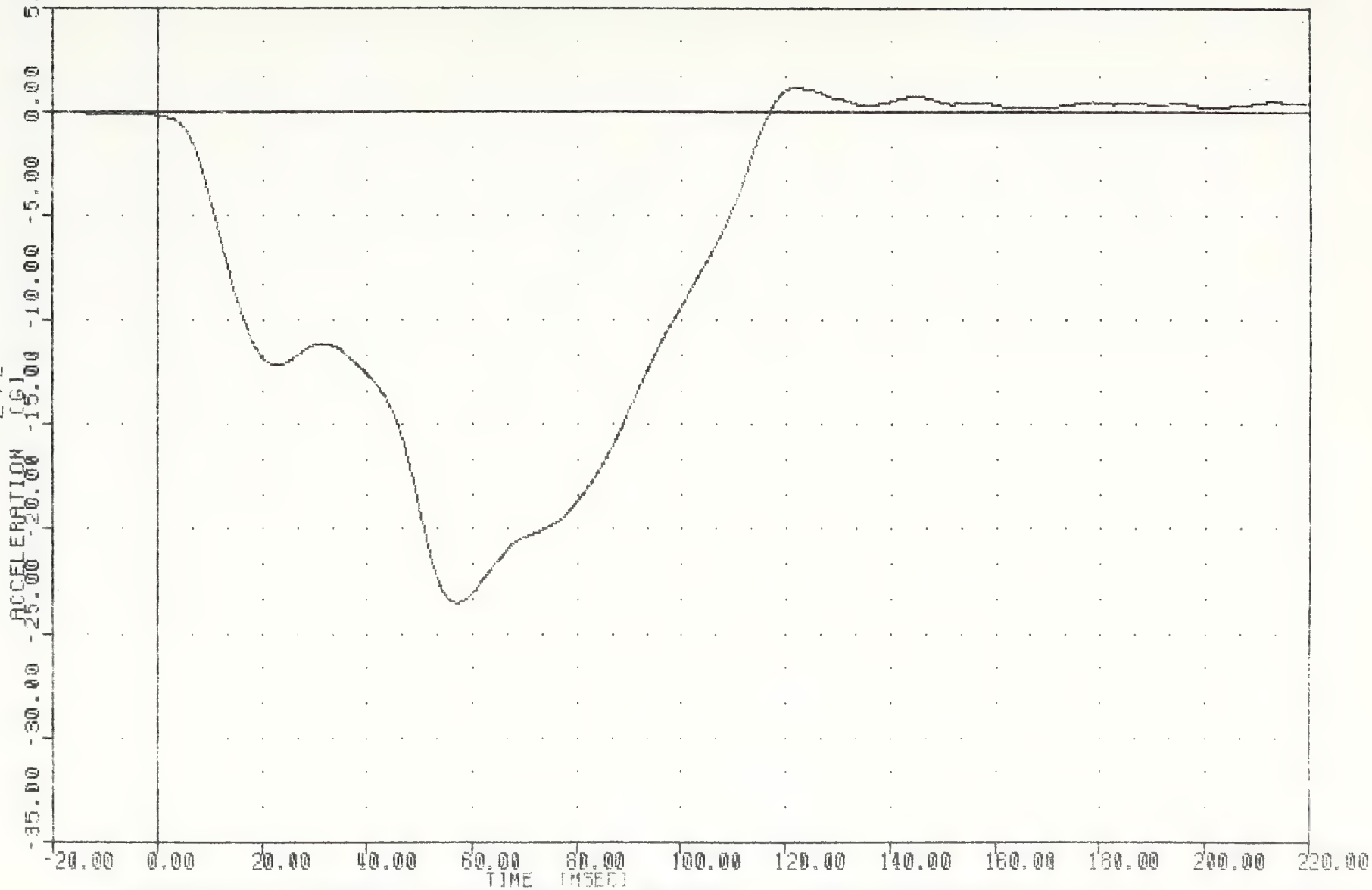
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC . RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = ALPF 100/ 316/ -40
SLDXV MIN, MAX VALUES = -33.04@ 111.88 , 0.02 @ -17.00

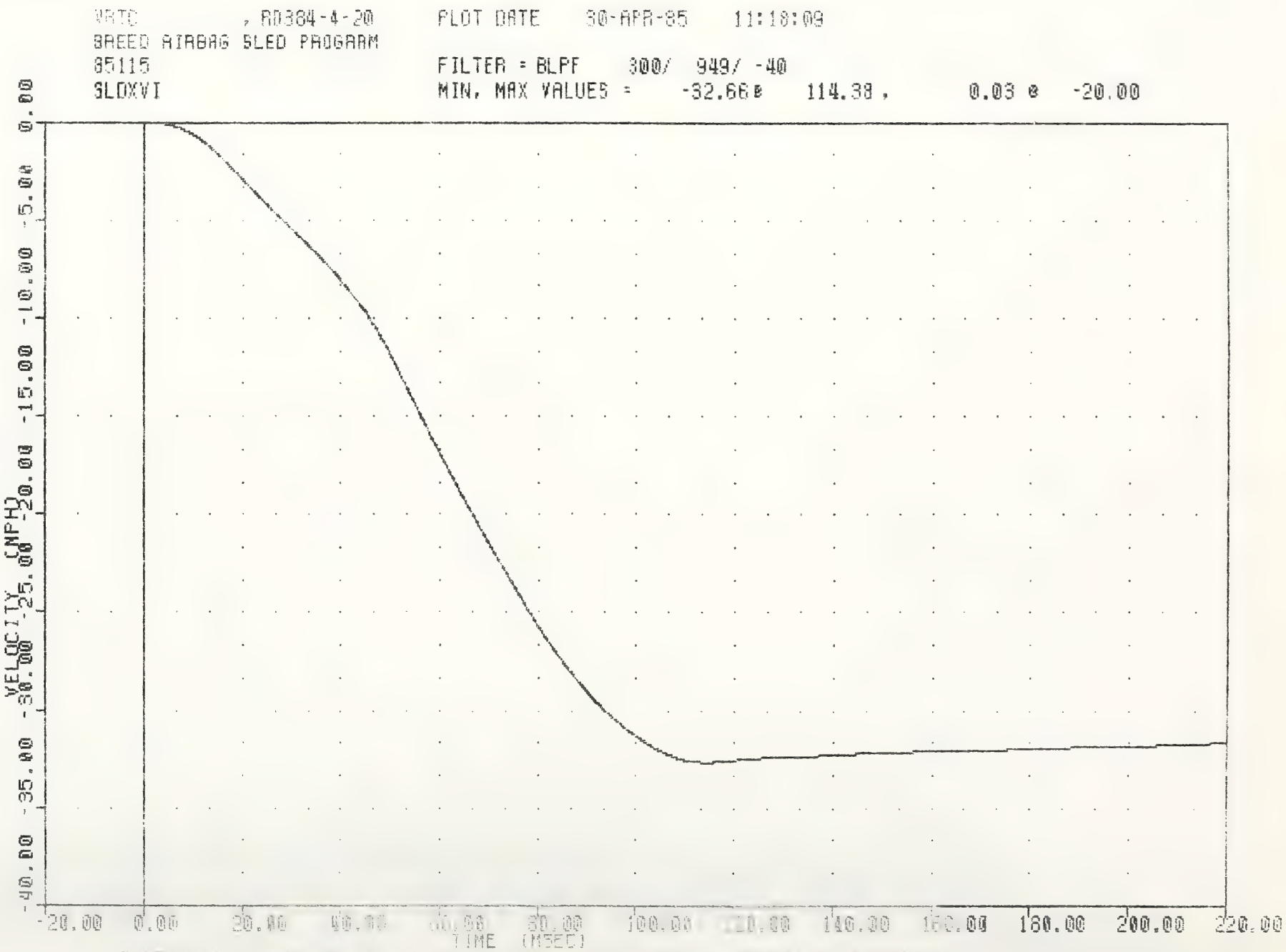


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY (CHRYSLER)

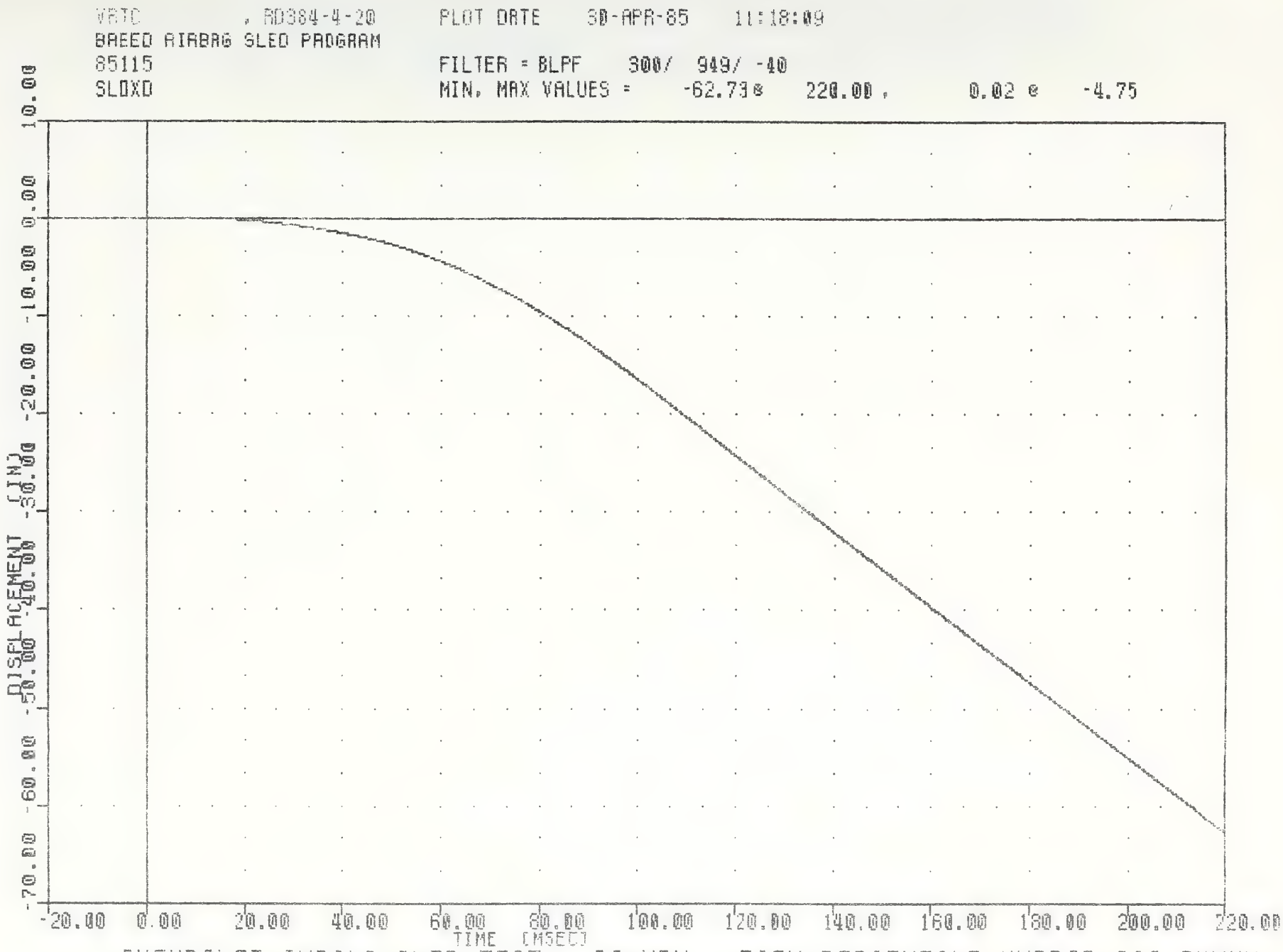
VRTC , R0384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 100/ 316/ -40
SLOXG MIN, MAX VALUES = -23.52 @ 57.13 , 1.14 @ 121.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED ACCELERATION

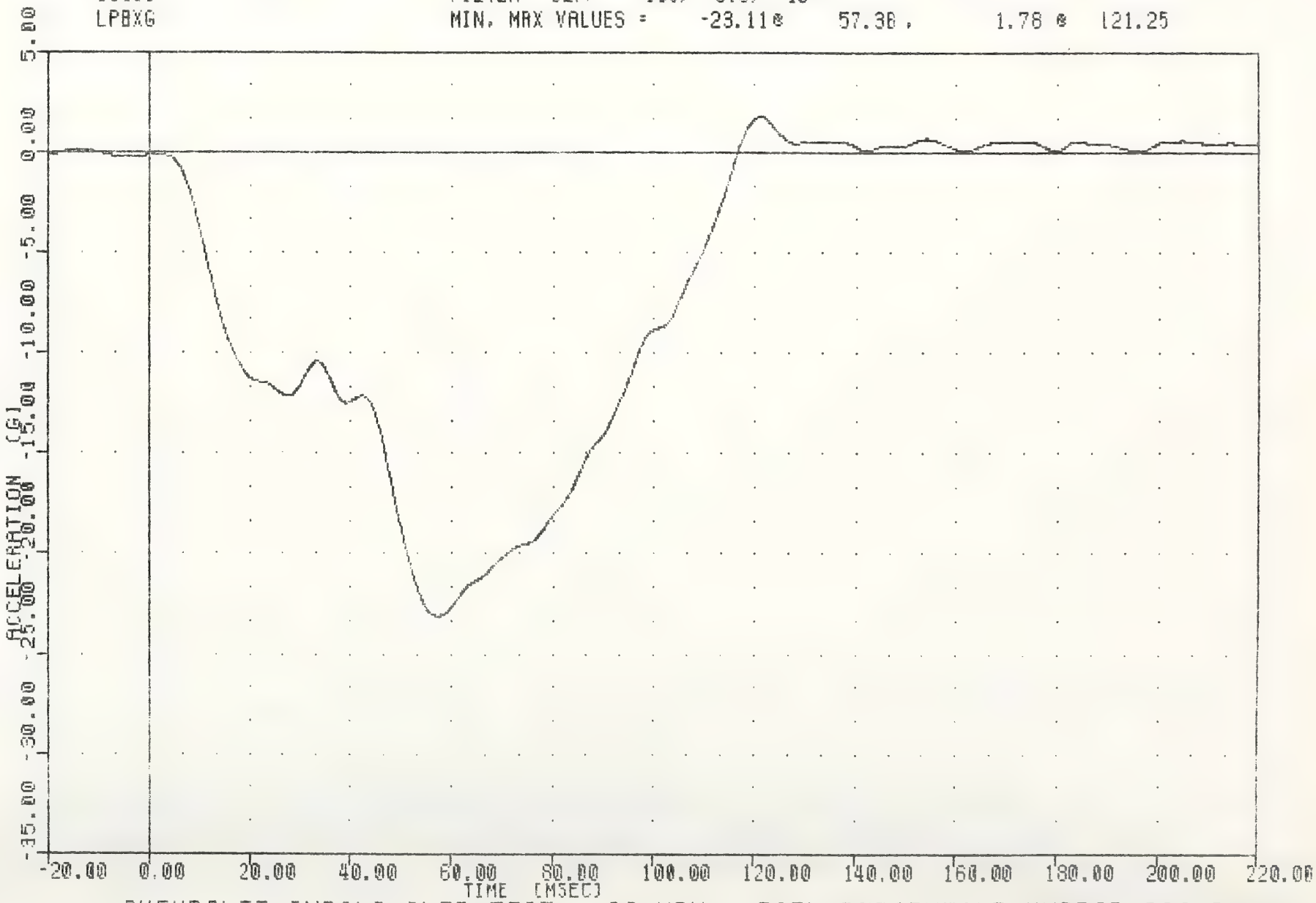


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



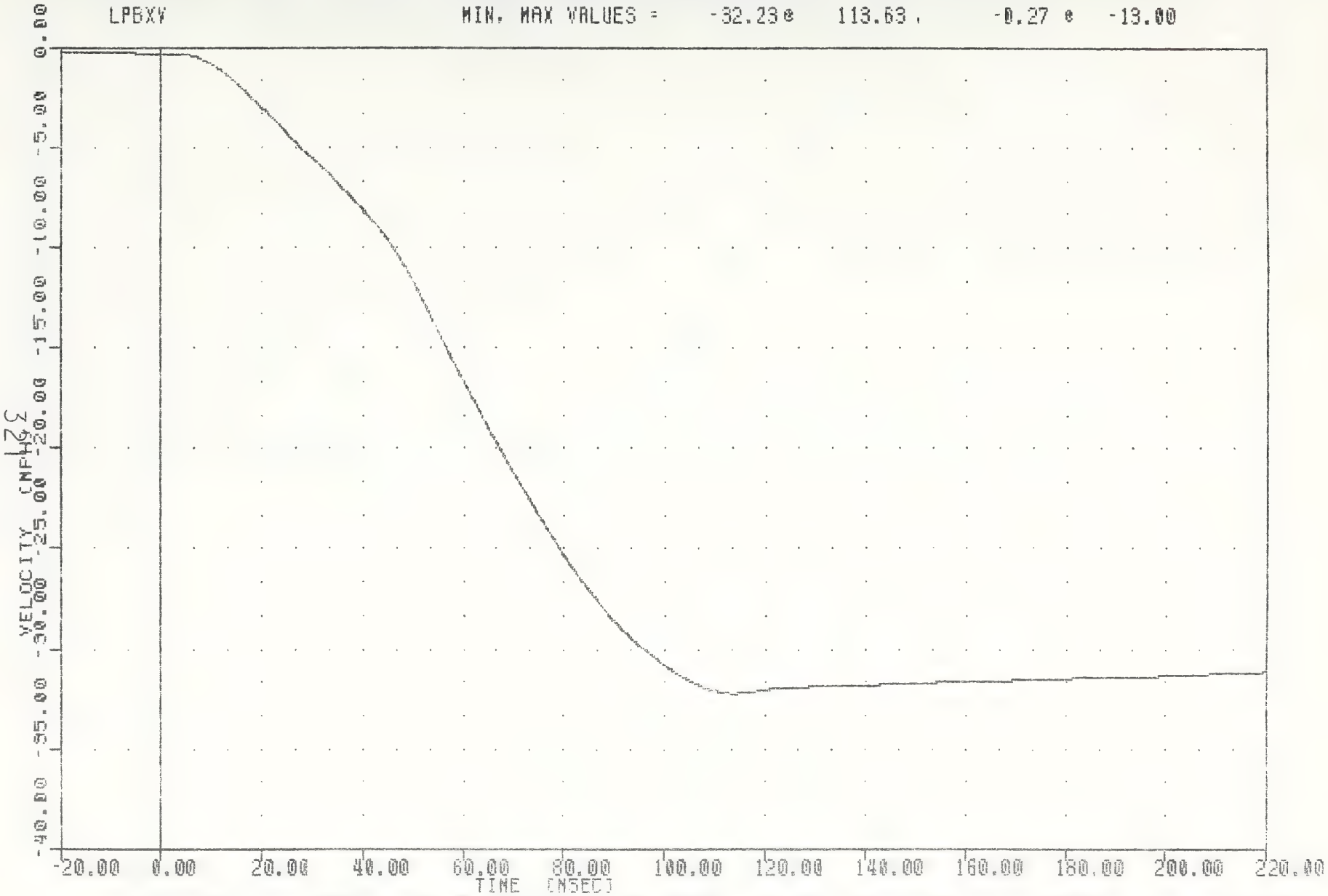
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING SLDXVI

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 100/ 316/ -40
LPBXG MIN, MAX VALUES = -23.11@ 57.38 , 1.78 @ 121.25



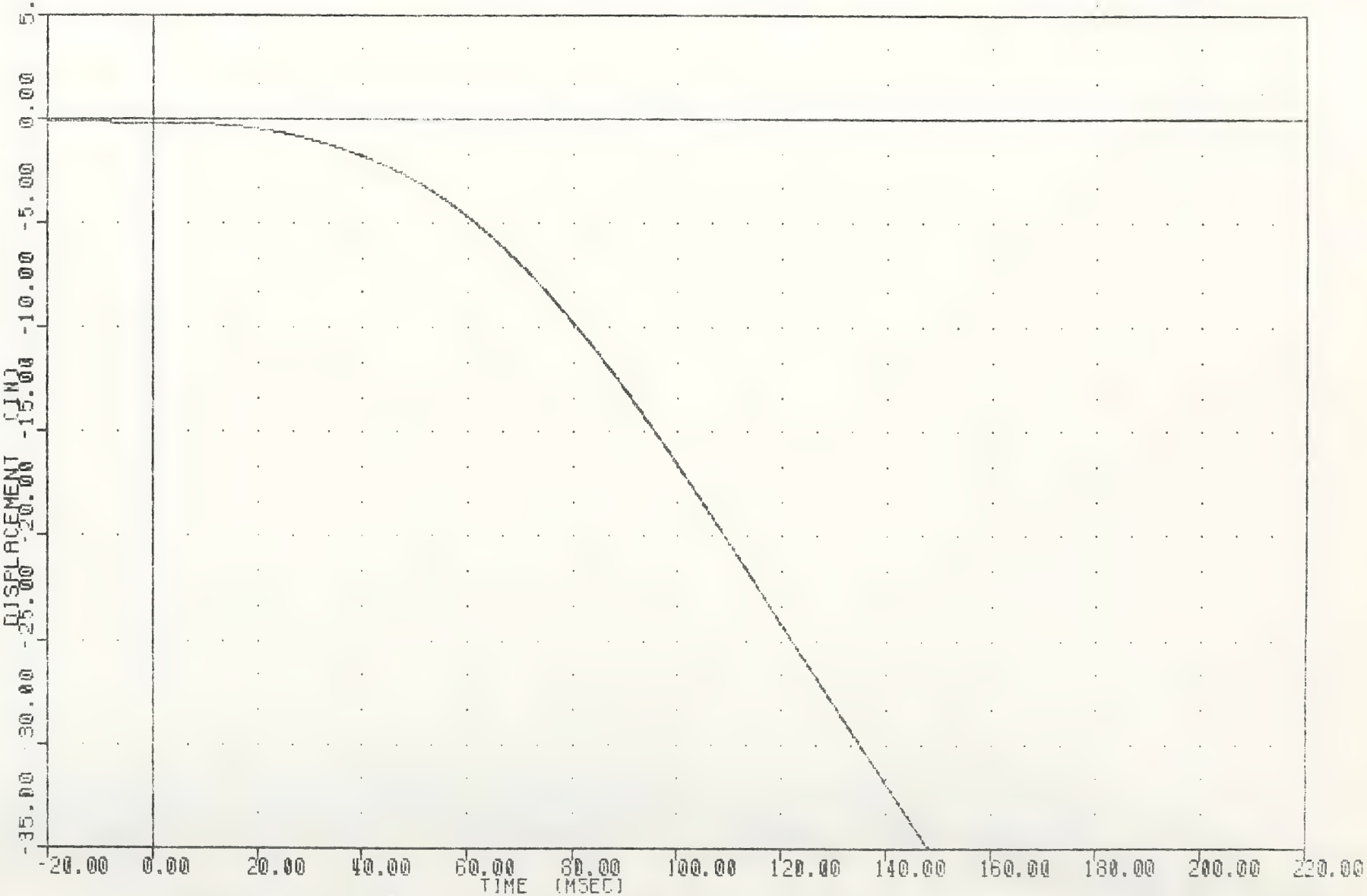
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VATC , RD384-4-20 PLOT DATE 30-APR-85 11:18:09
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
LPBXV MIN, MAX VALUES = -32.23 @ 113.63 , -0.27 @ -13.00



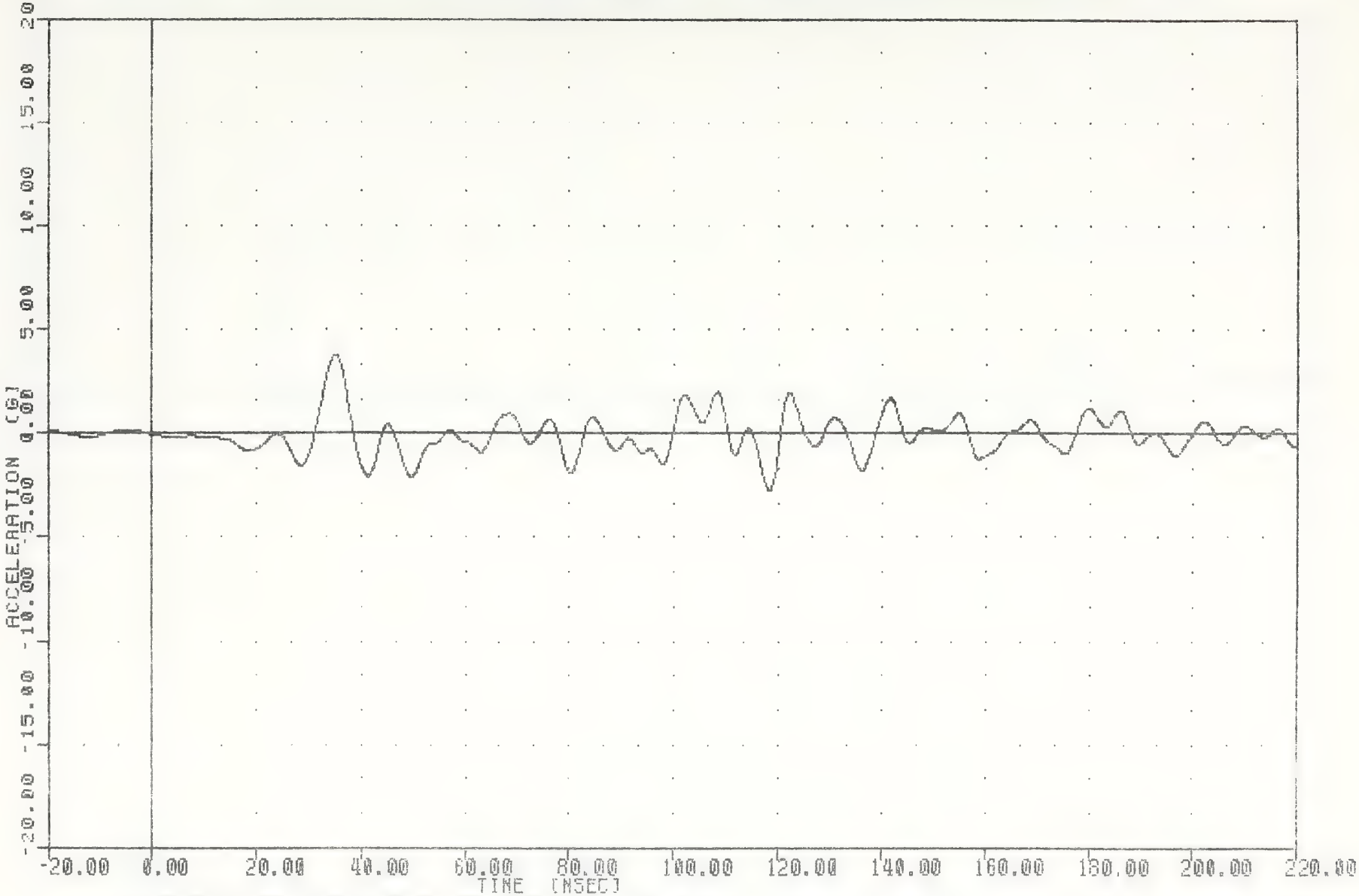
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING LPBXG

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:18:09
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 300/ 949/ -40
LPBXD MIN, MAX VALUES = -62.140 220.00 , -0.14 @ -20.00



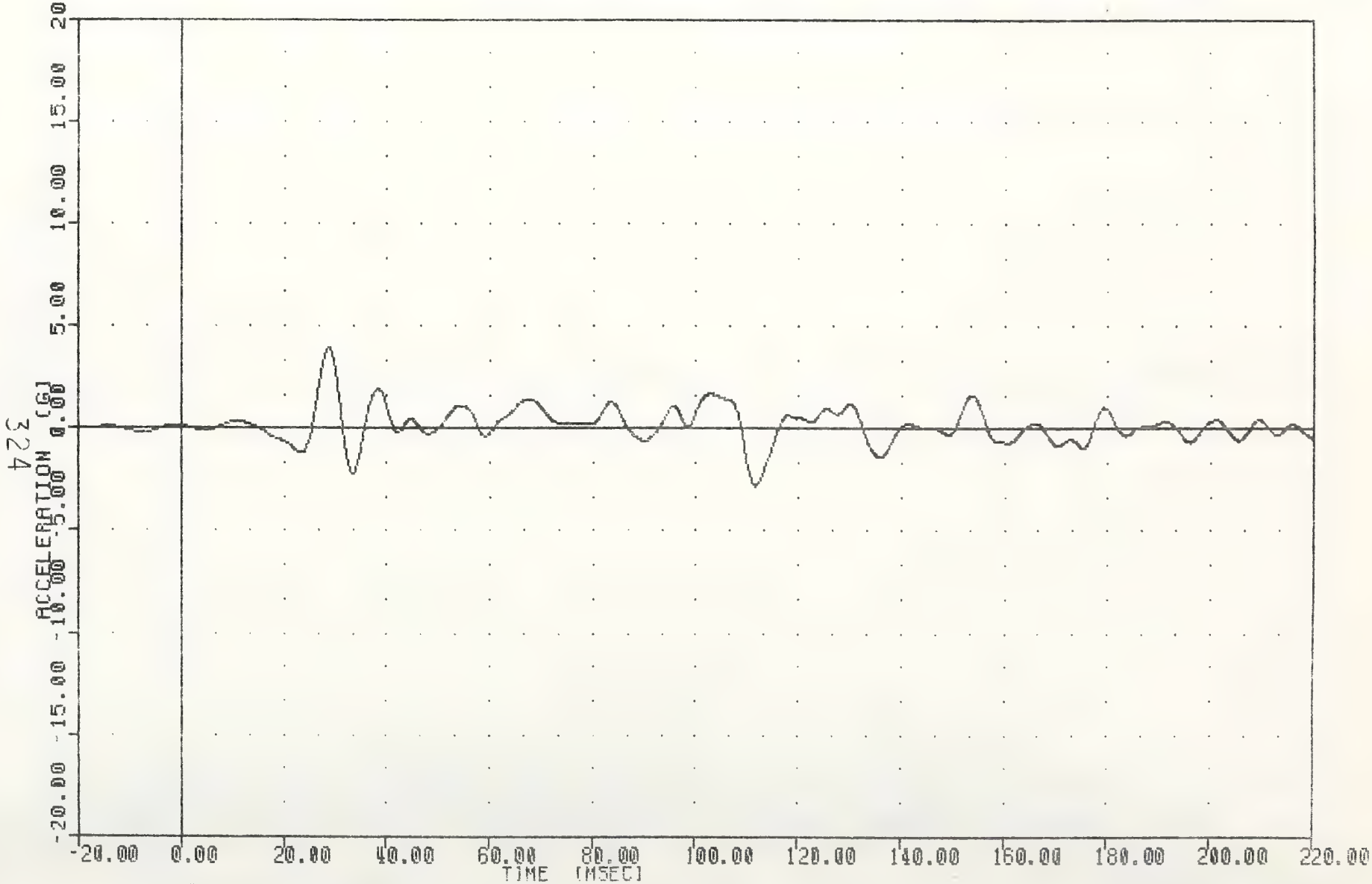
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING LPBXD

VATC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 100/ 316/ -40
LPBYG MIN. MAX VALUES = -2.73 @ 118.38 , 3.78 @ 35.13



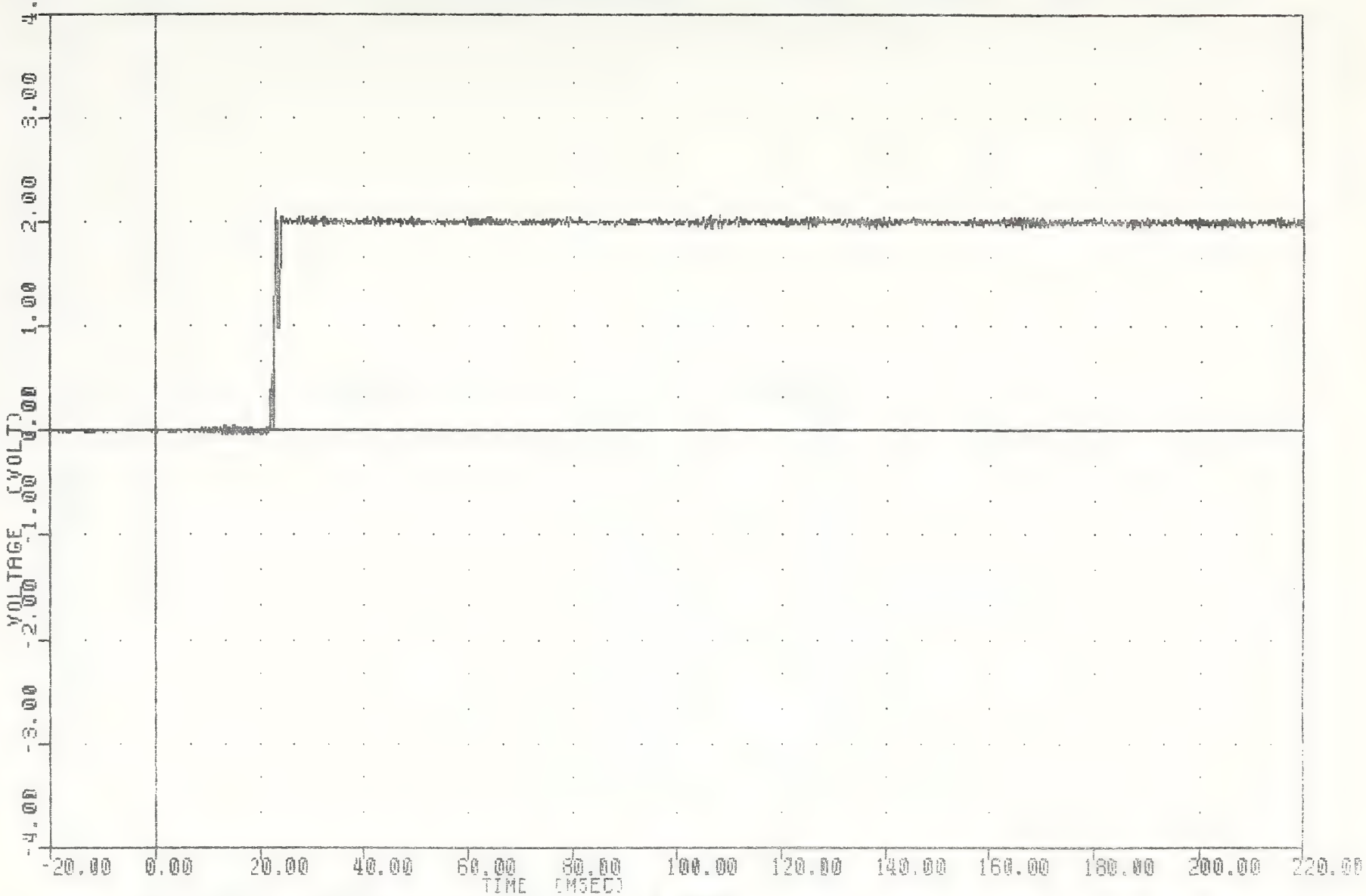
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = BLPF 100/ 316/ -40
LPBZG MIN. MAX VALUES = -2.79 @ 111.50 , 3.91 @ 28.63



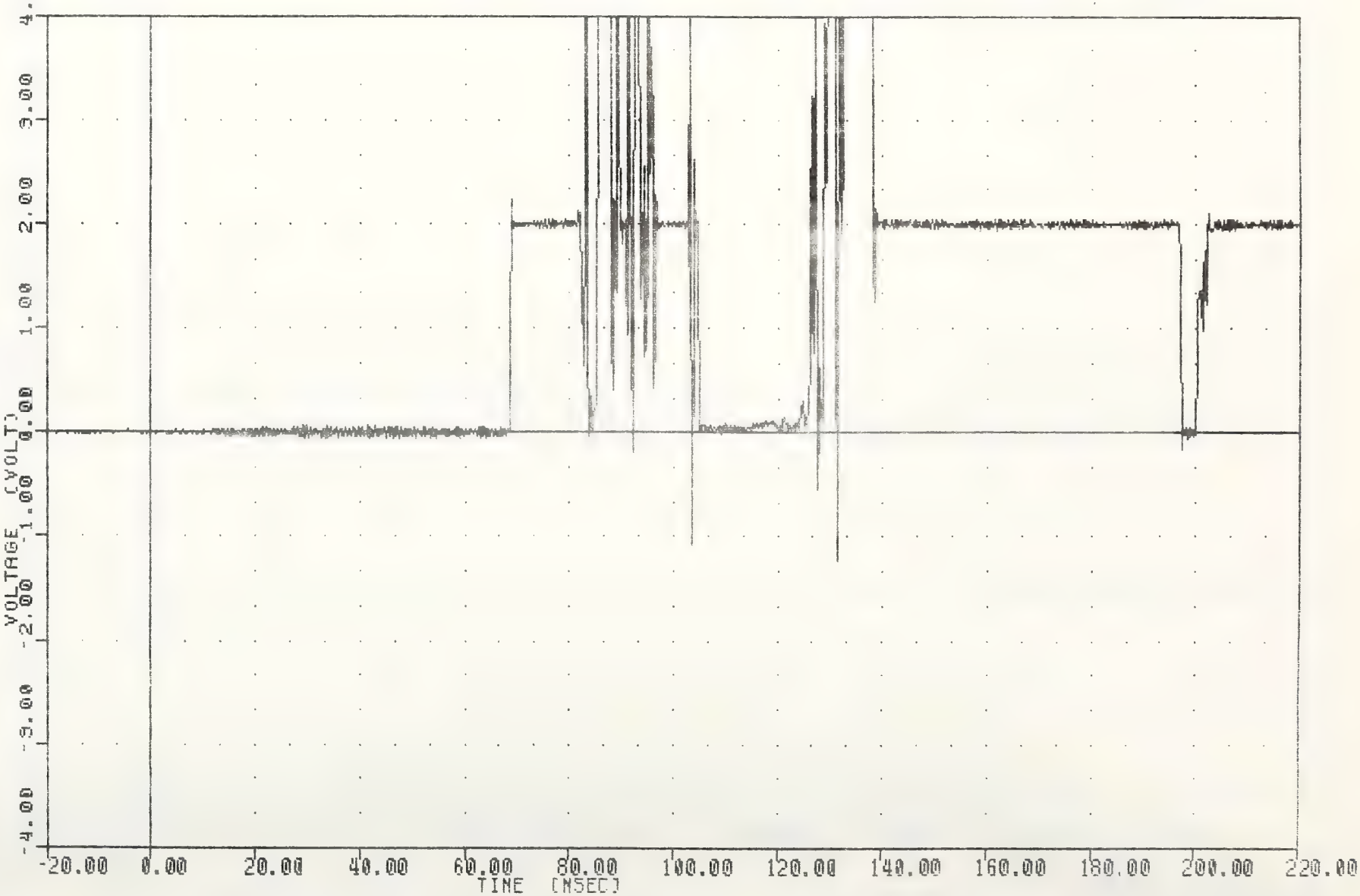
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = ALPF 1650/ 5214/ -40
ABT3 MIN, MAX VALUES = -0.04@ 15.00 , 2.12 @ 23.13



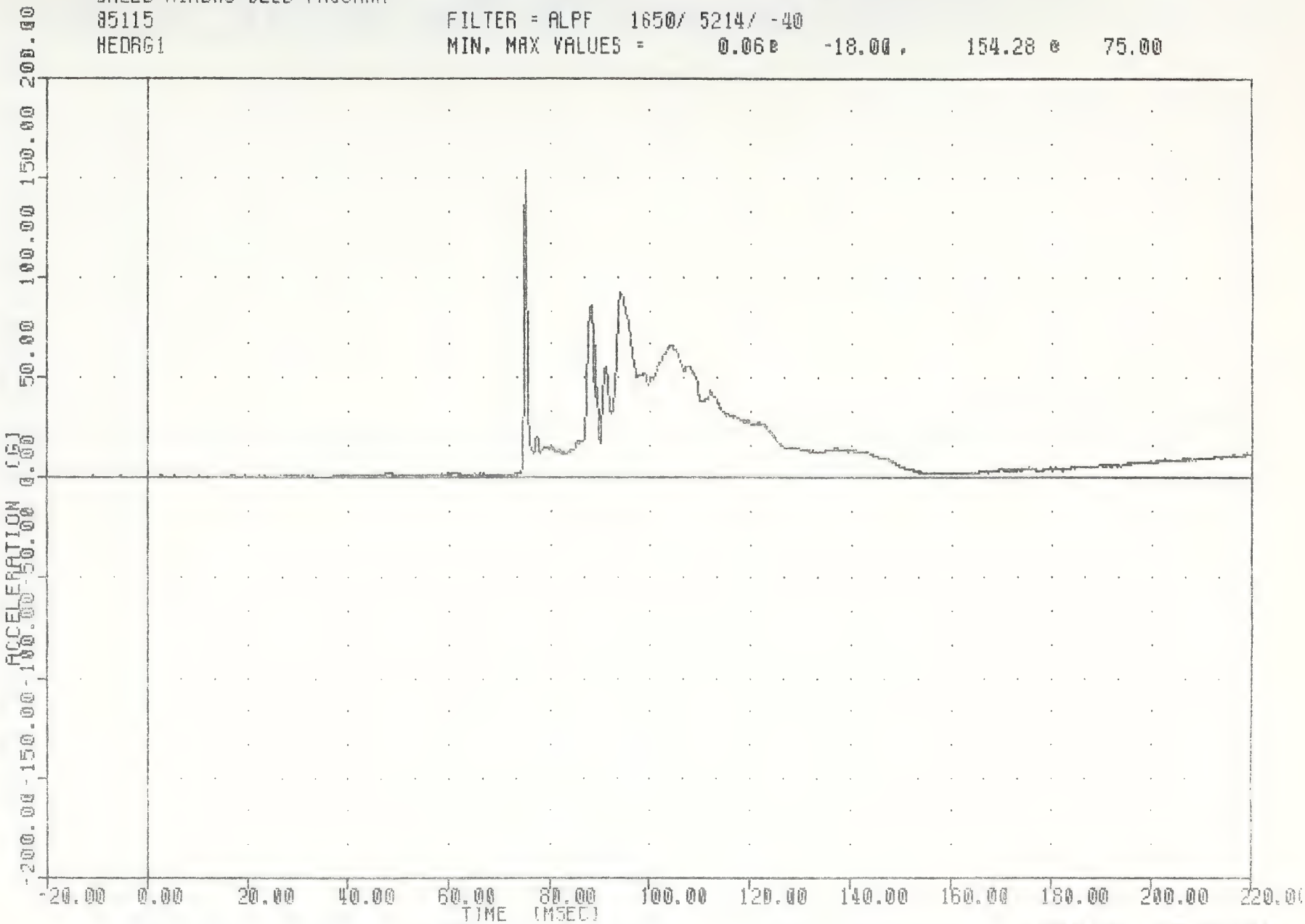
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
BREED B-PILLAR SENSOR

VATC , RD384-4-20 PLOT DATE 30-APR-85 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = ALPF 1650/ 5214/ -40
ABT4 MIN, MAX VALUES = -1.22 @ 131.38 , 10.04 @ 85.88

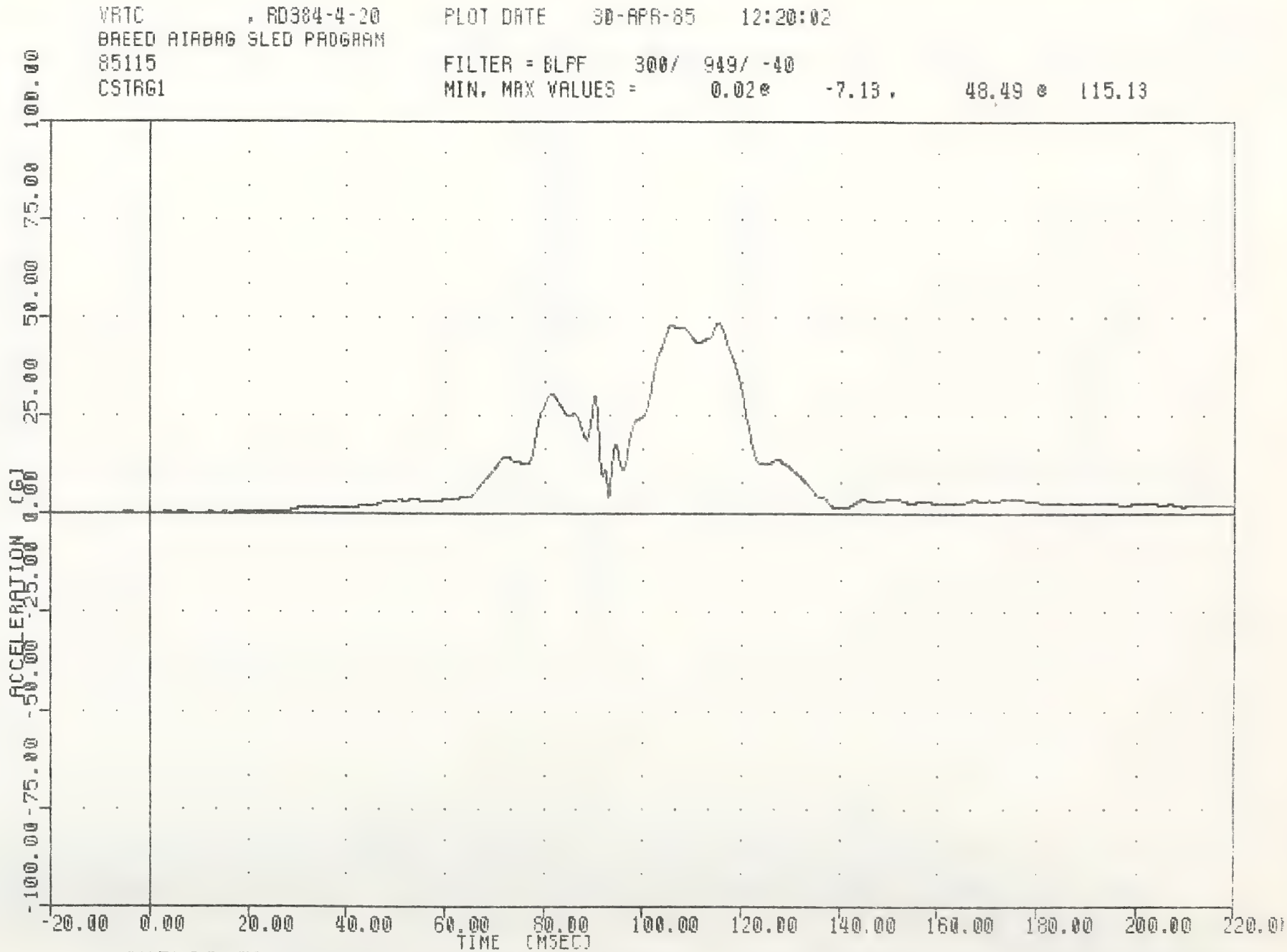


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
KNEE CONTACT

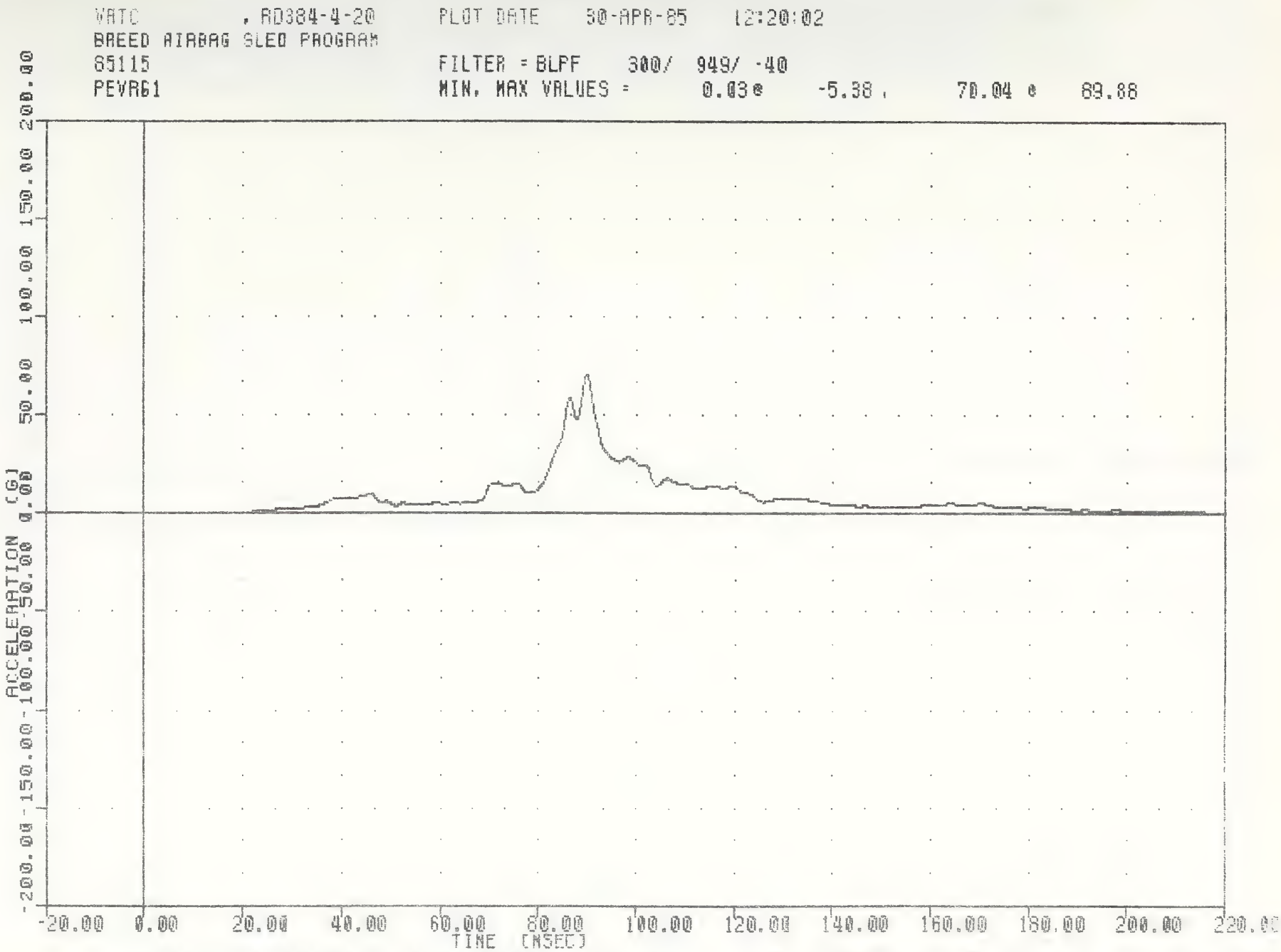
VRTC , RD384-4-20 PLOT DATE 30-APR-85 12:20:02
BREED AIRBAG SLED PROGRAM
85115 FILTER = ALPF 1650/ 5214/ -40
HEDRG1 MIN, MAX VALUES = 0.06 @ -18.00 , 154.28 @ 75.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD RESULTANT

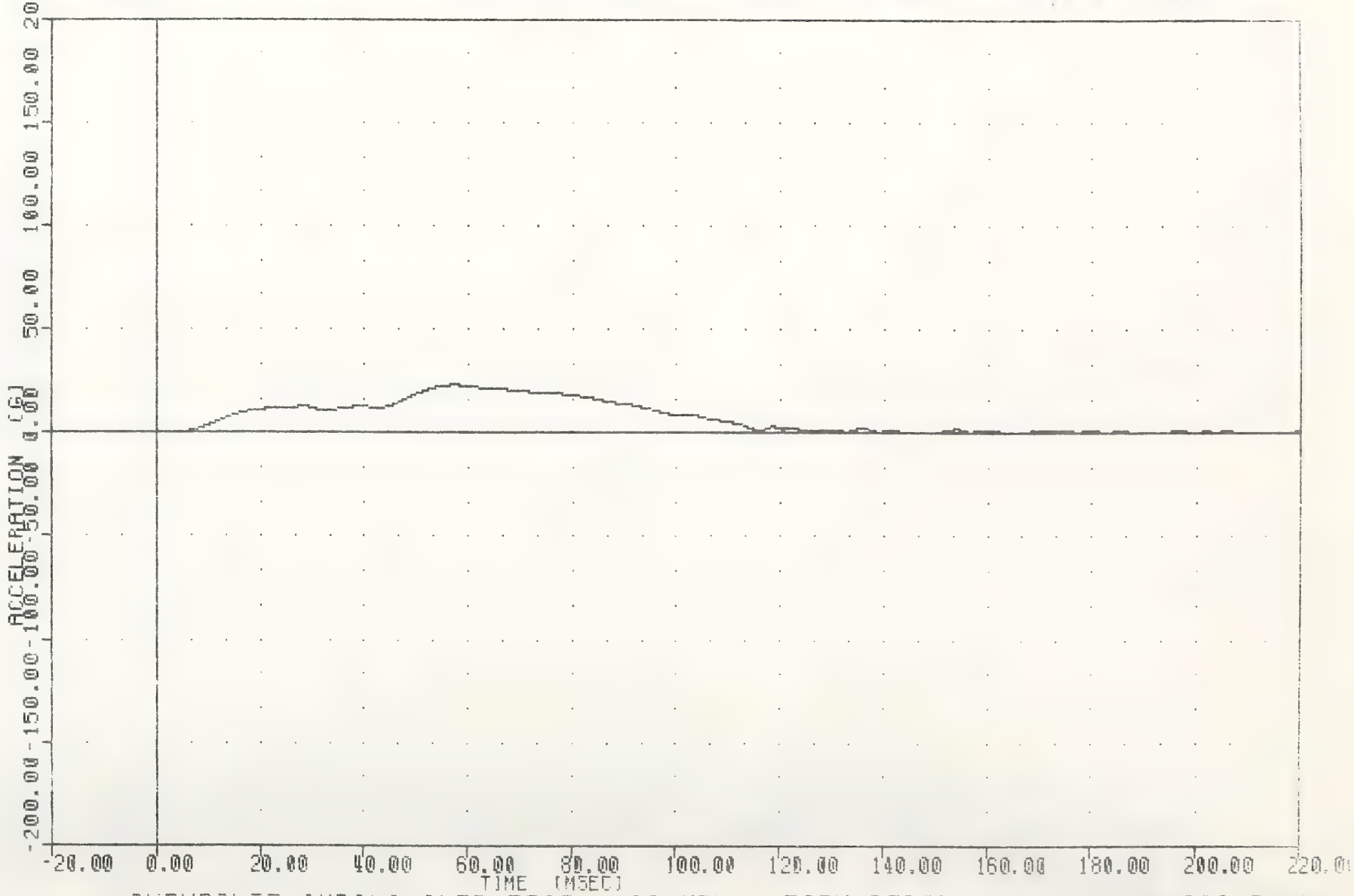


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST RESULTANT



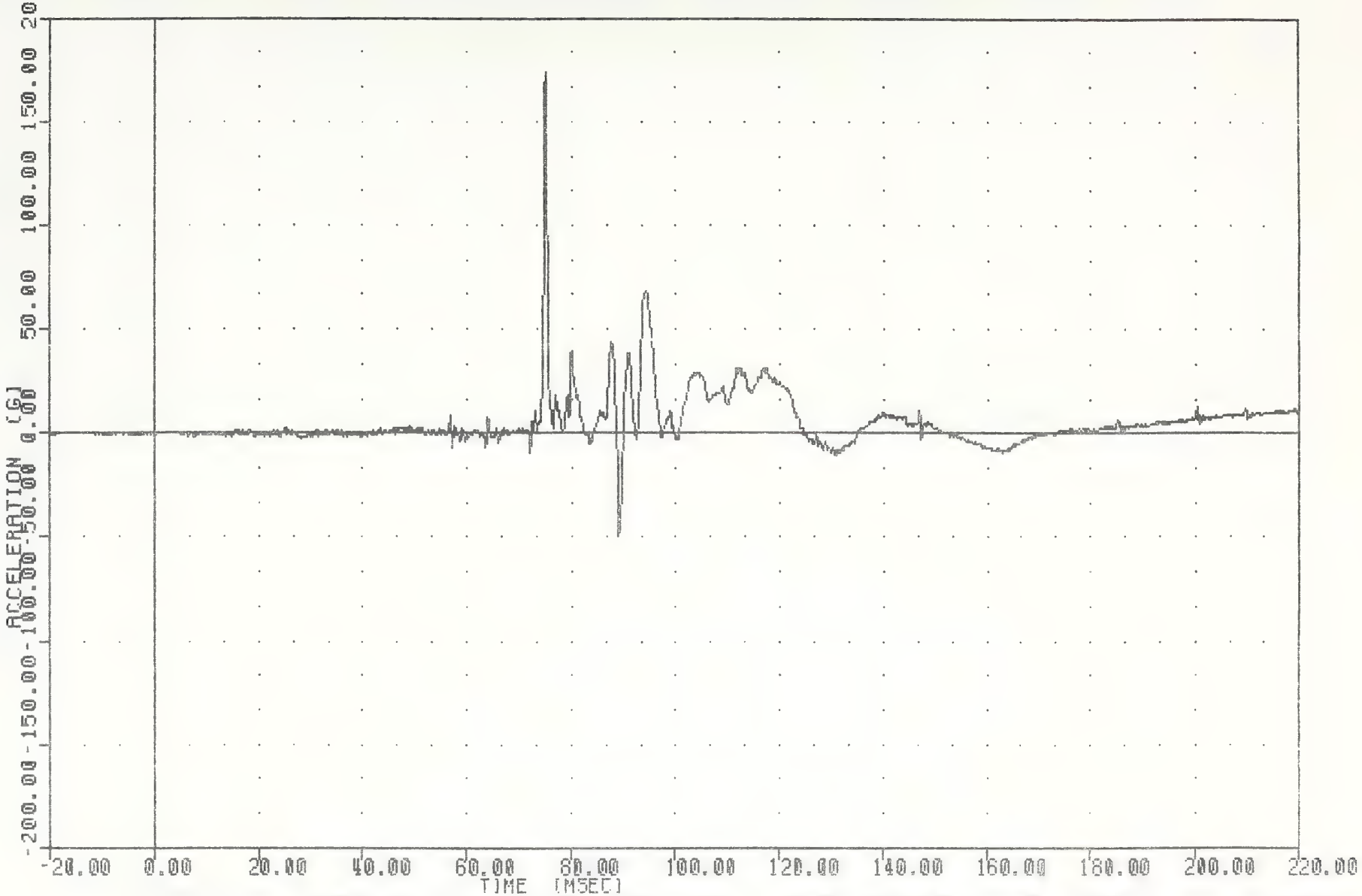
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS RESULTANT

VRTC , R0384-4-20 PLOT DATE 30-APR-85 12:20:02
BREED AIRBAG SLED PROGRAM
S5115 FILTER = BLPF 100/ 315/ -40
LPBRG MIN, MAX VALUES = 0.05 @ -17.00 , 23.11 @ 57.25

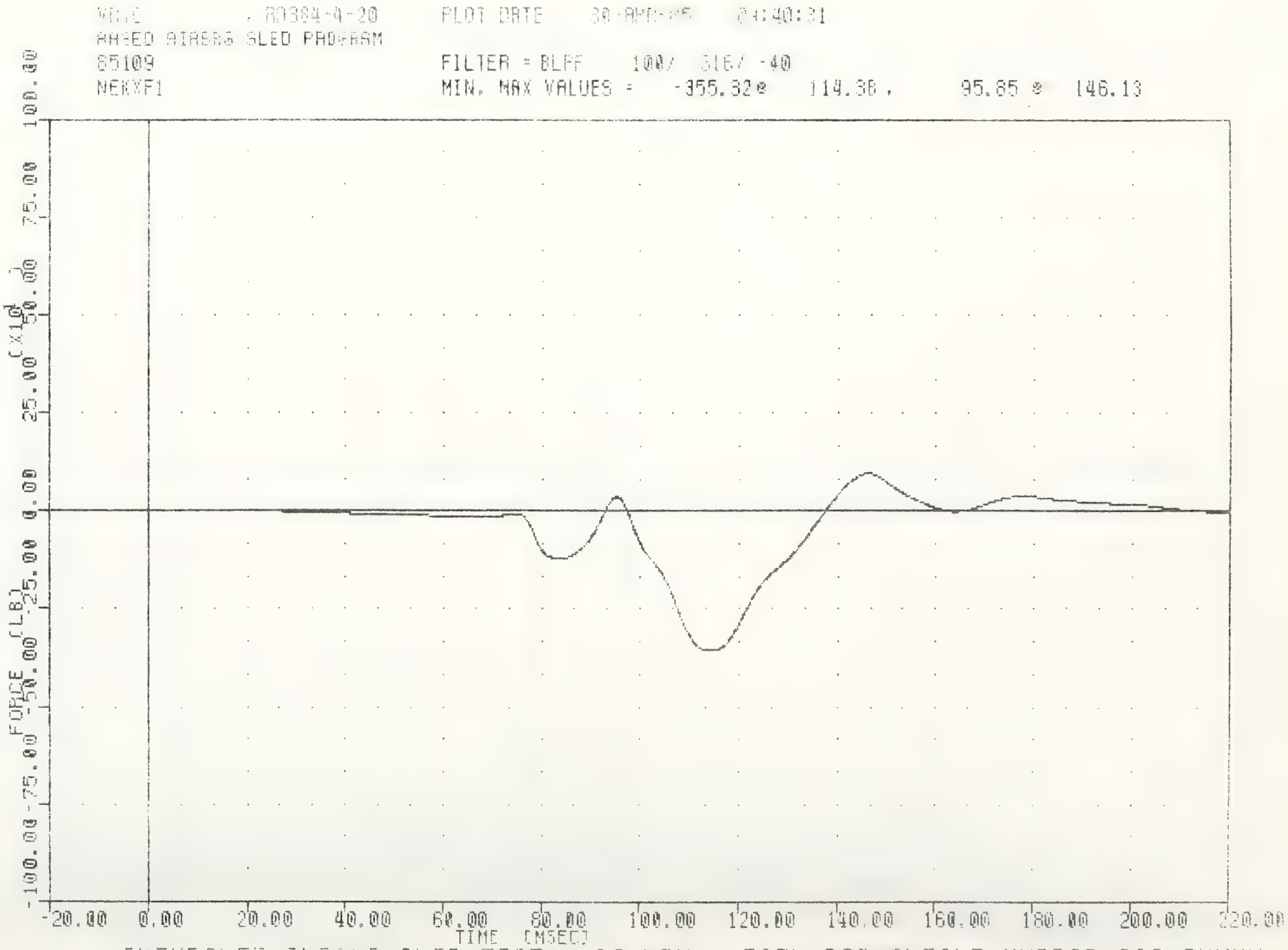


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B RESULTANT

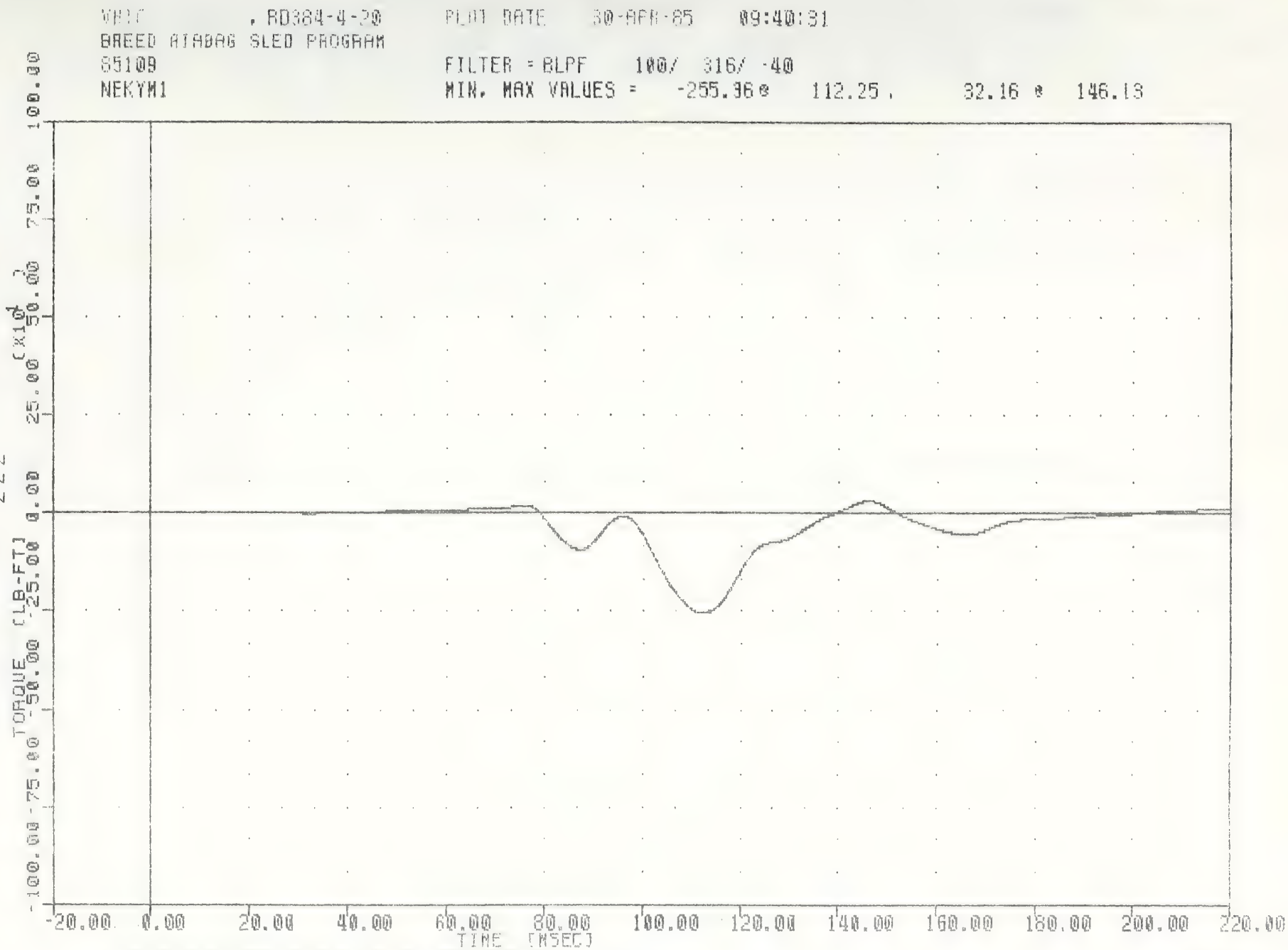
VRTC . RD384-4-20 PLOT DATE 3-MAY-85 12:30:41
BREED AIRBAG SLED PROGRAM
85109 FILTER = ALPF 1650/ 5214/ -40
HD2ZG1 MIN. MAX VALUES = -49.56 @ 89.00 , 173.75 @ 75.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

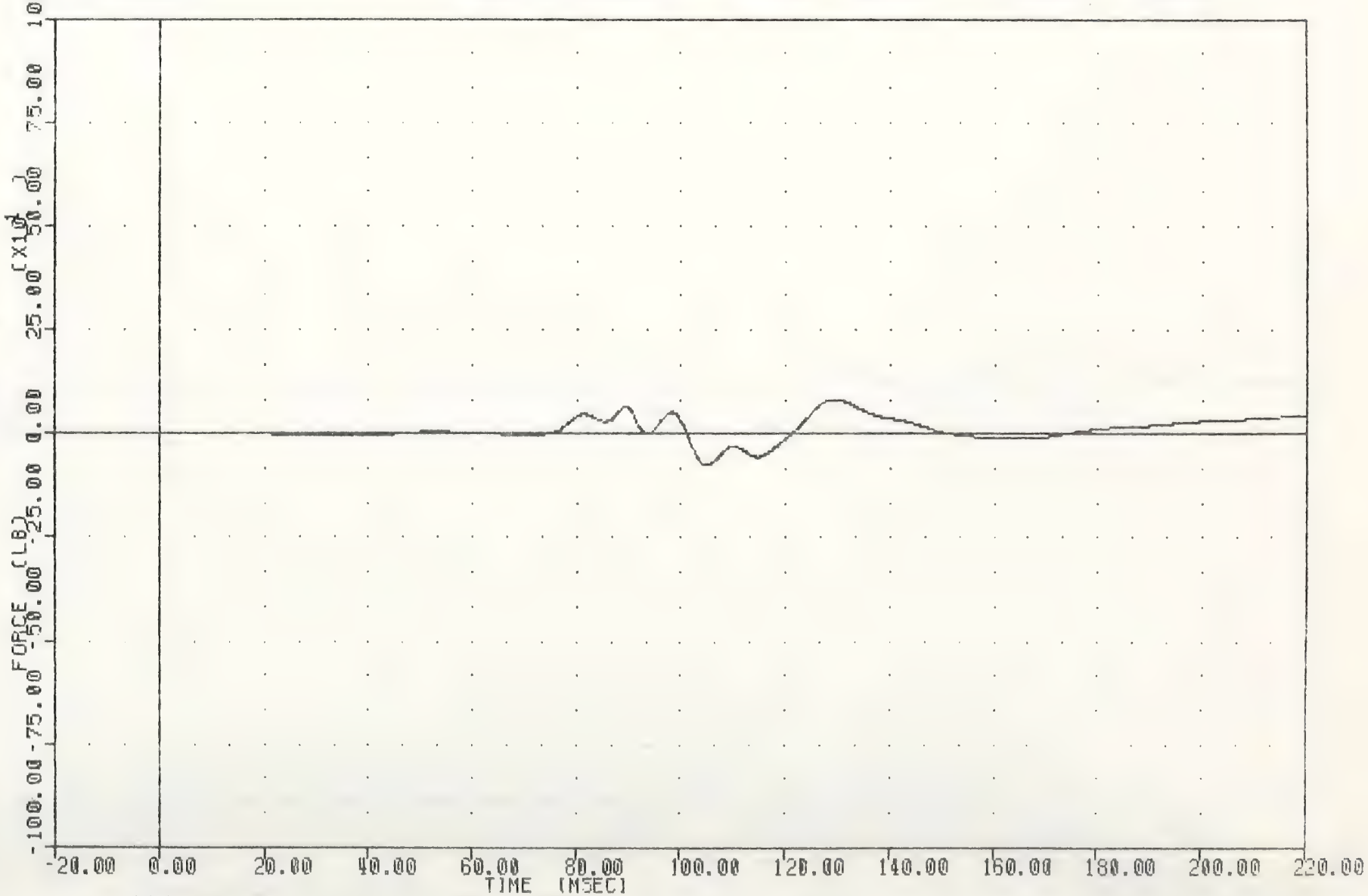


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY



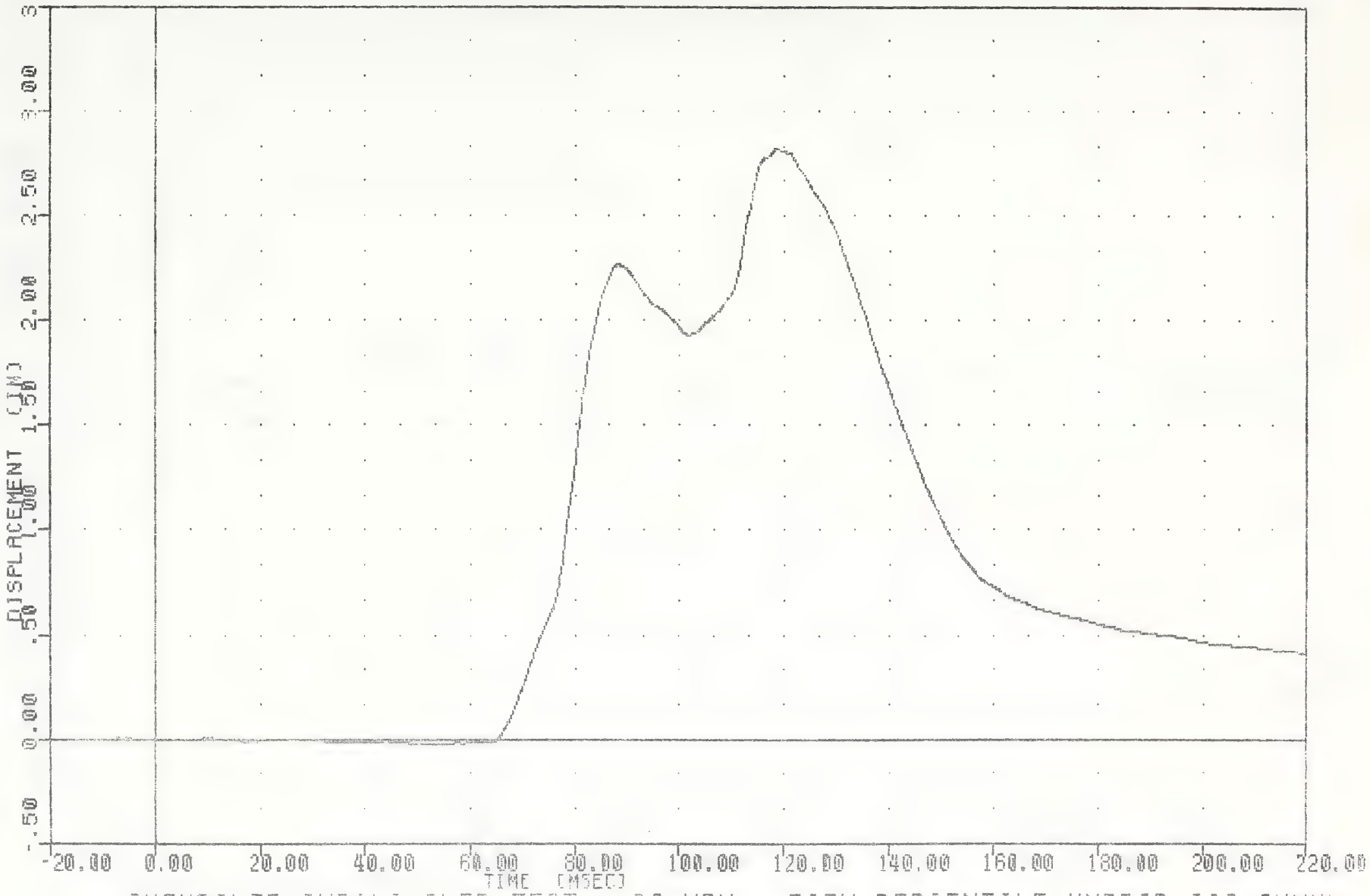
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK MOMENT Y AXIS FT-LBS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 100/ 316/ -40
NEKZF1 MIN, MAX VALUES = -75.45@ 104.88 , 83.23 @ 129.25



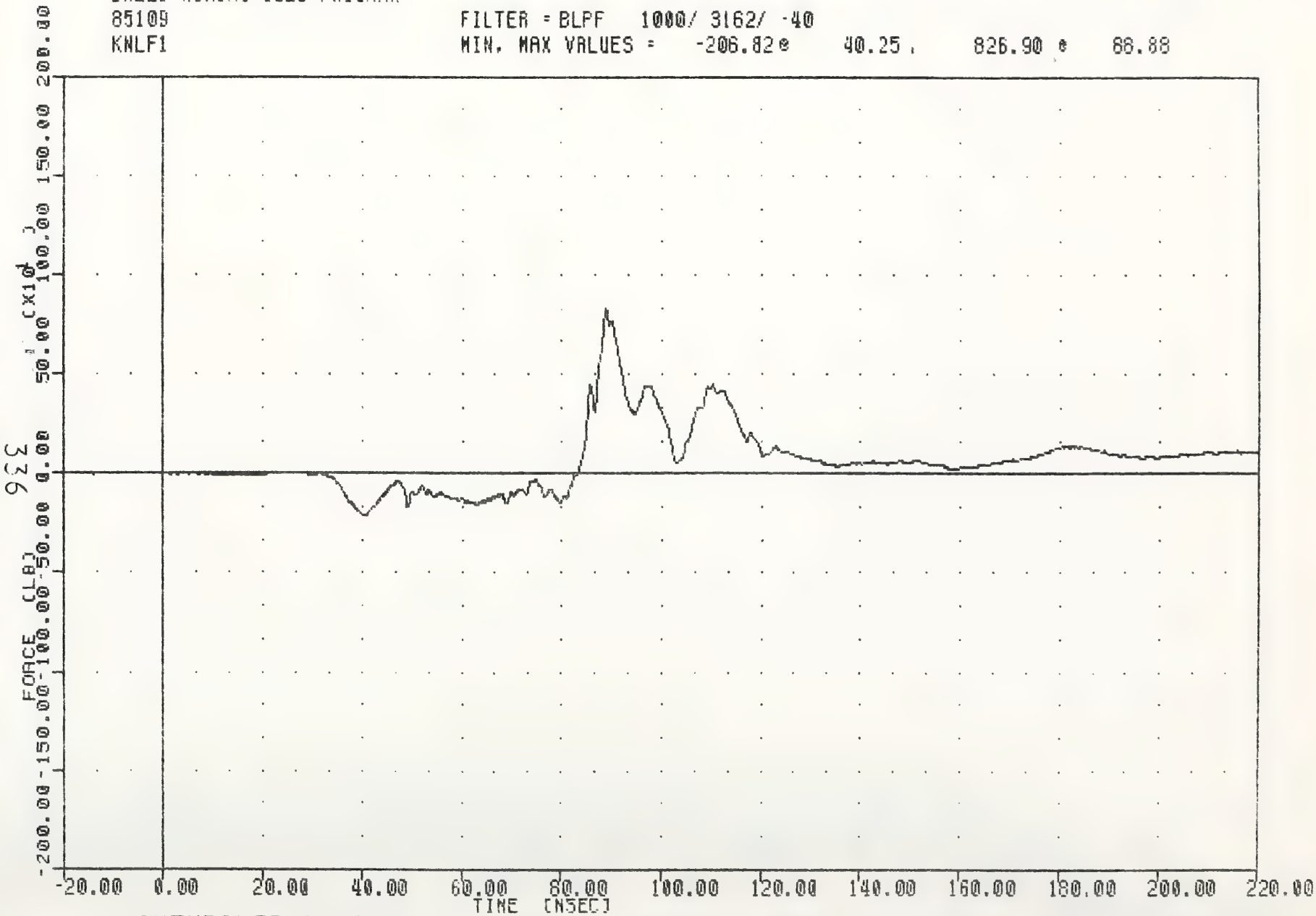
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE Z AXIS LBS (AXIAL)

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN, MAX VALUES = -0.03@ 52.13 , 2.82 @ 118.75



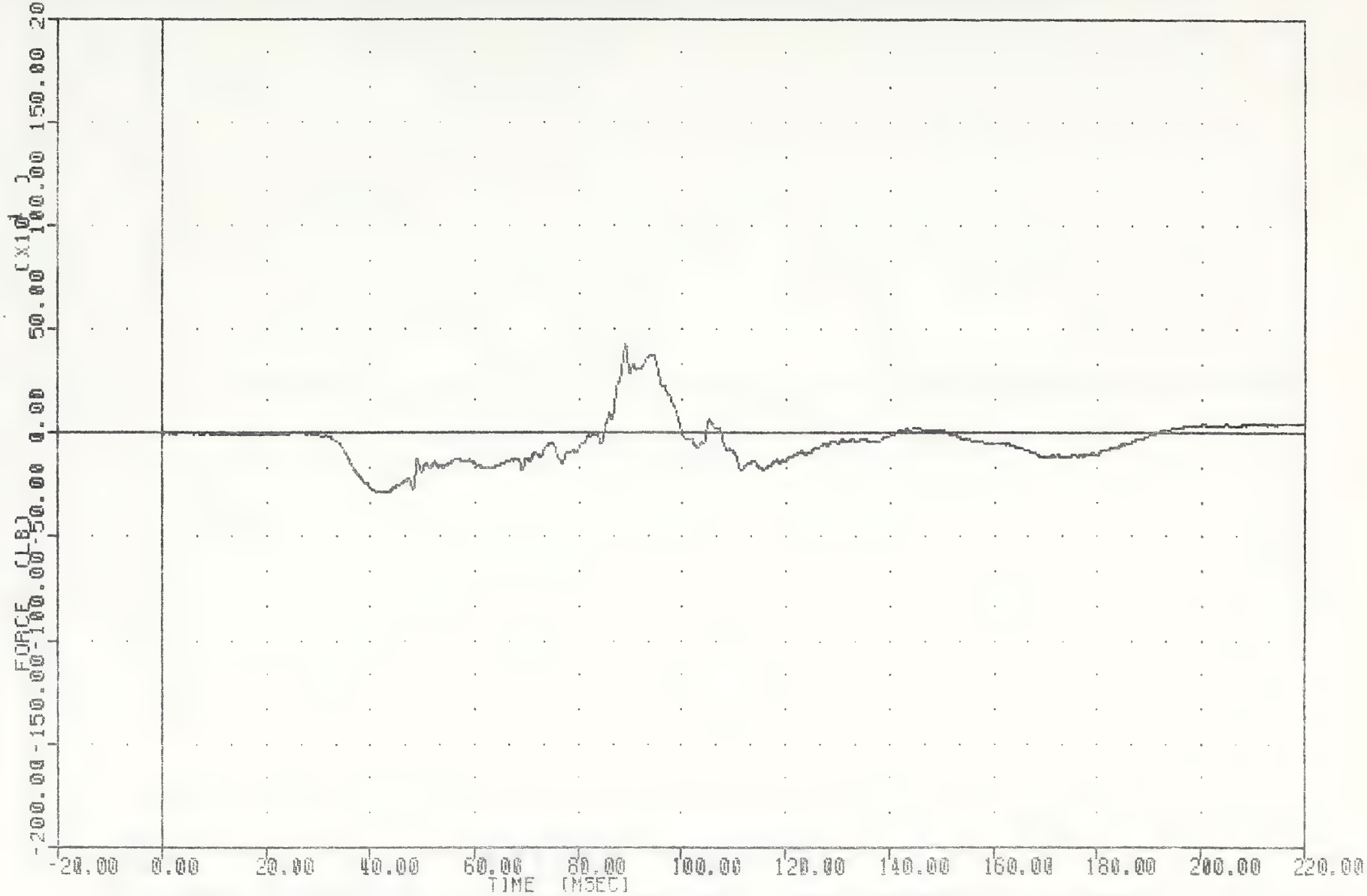
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST DISPLACEMENT INCHES

VATC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
KNLF1 MIN. MAX VALUES = -206.82 @ 40.25 , 826.90 @ 88.88



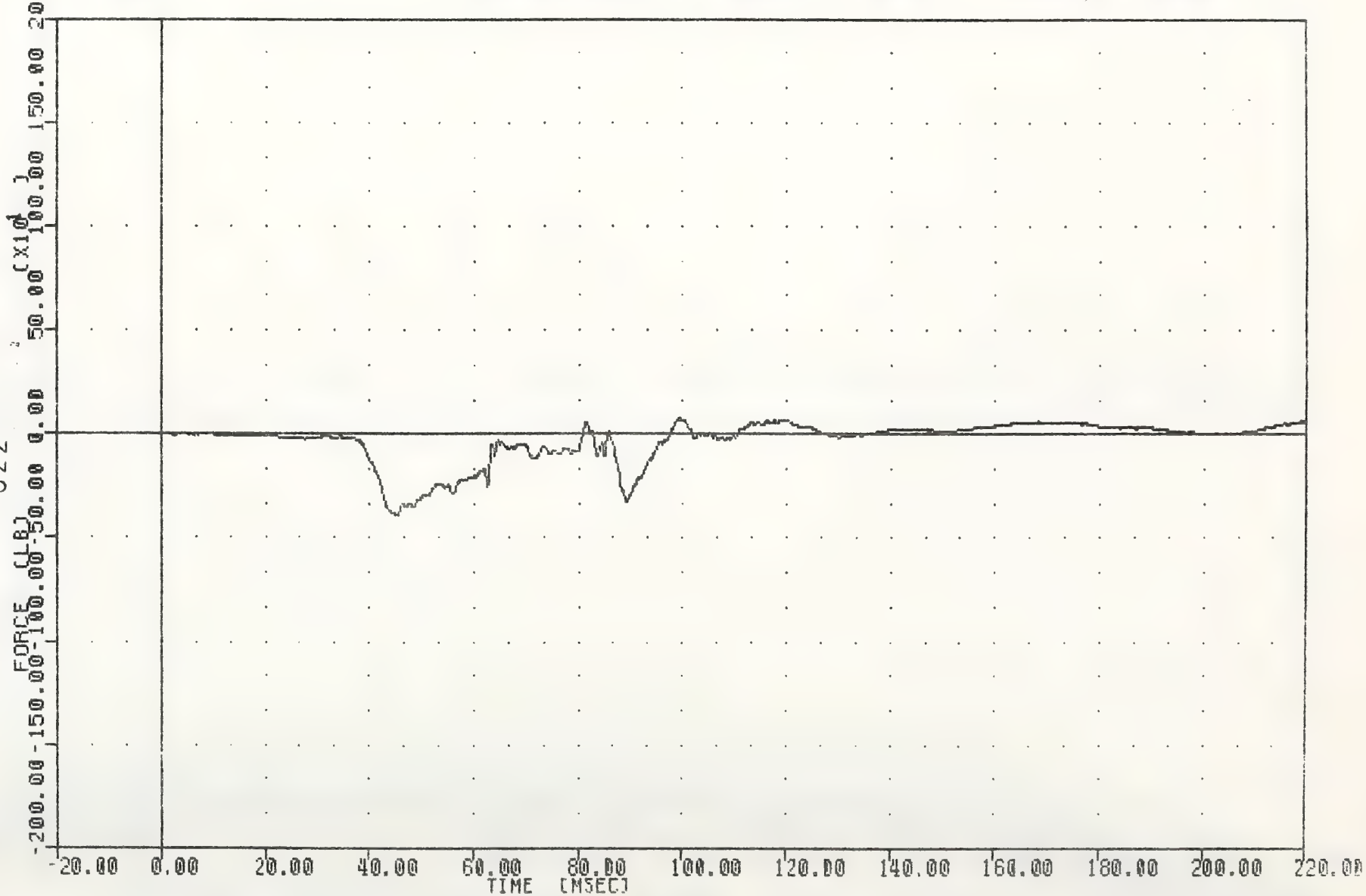
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / LEFT SENSOR LBS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
KNLFA MIN. MAX VALUES = -286.97 @ 43.13 , 423.84 @ 89.00



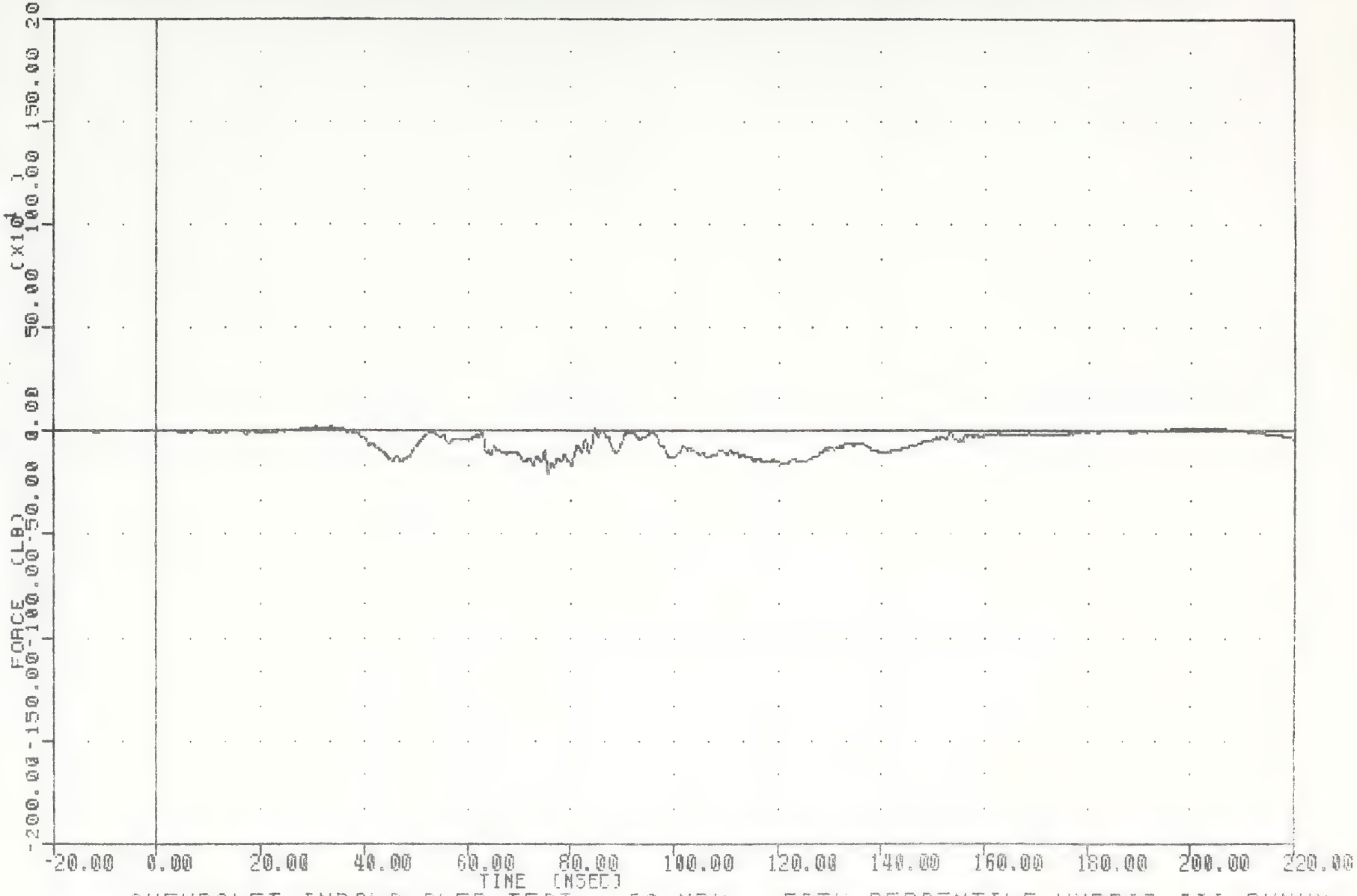
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / RIGHT SENSOR LBS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PADGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
KNAF1 MIN. MAX VALUES = -390.61@ 45.25 , 73.78 @ 99.38

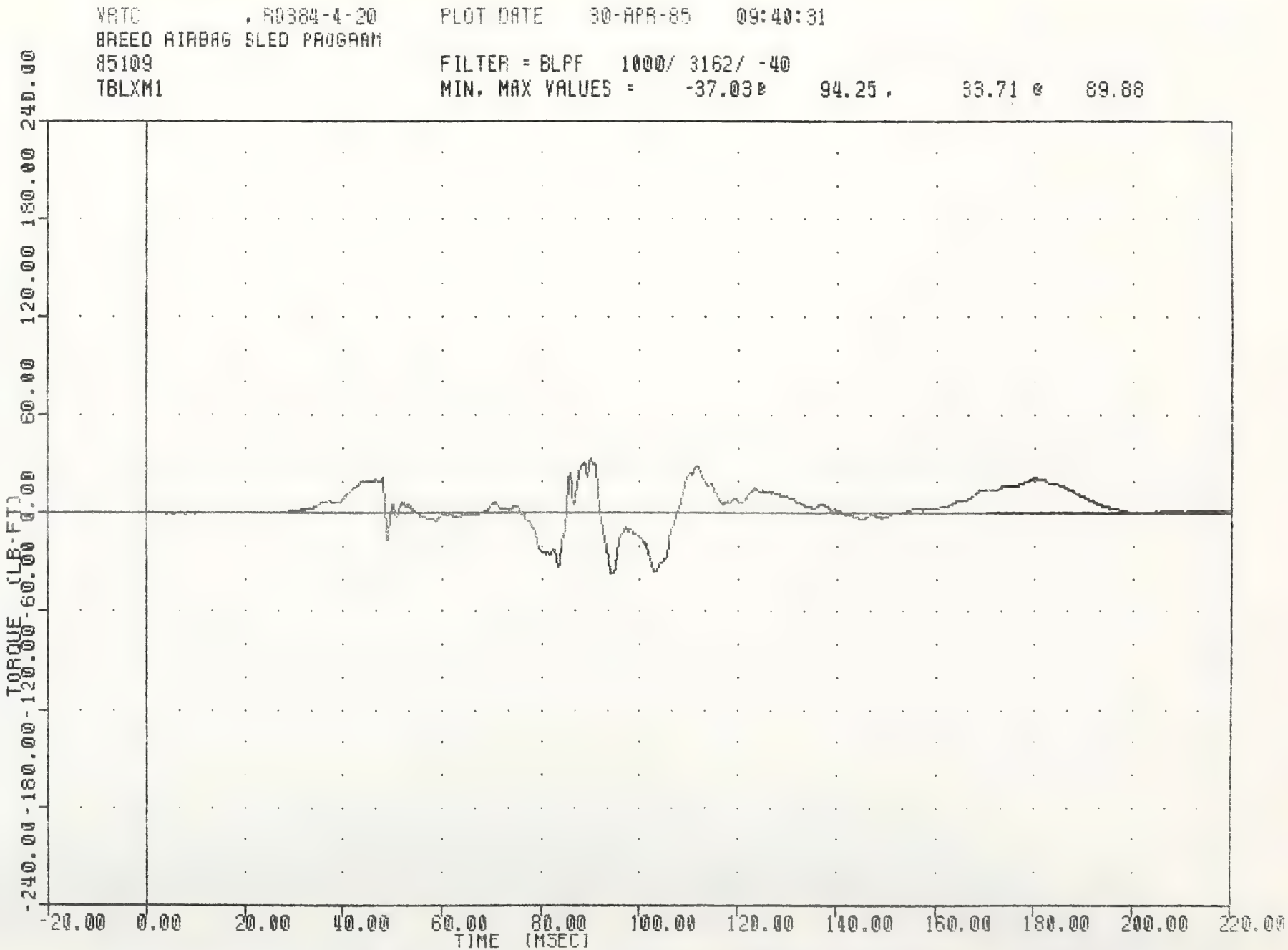


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR LBS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
KNRFR MIN. MAX VALUES = -212.44 @ 75.50 , 23.98 @ 30.63

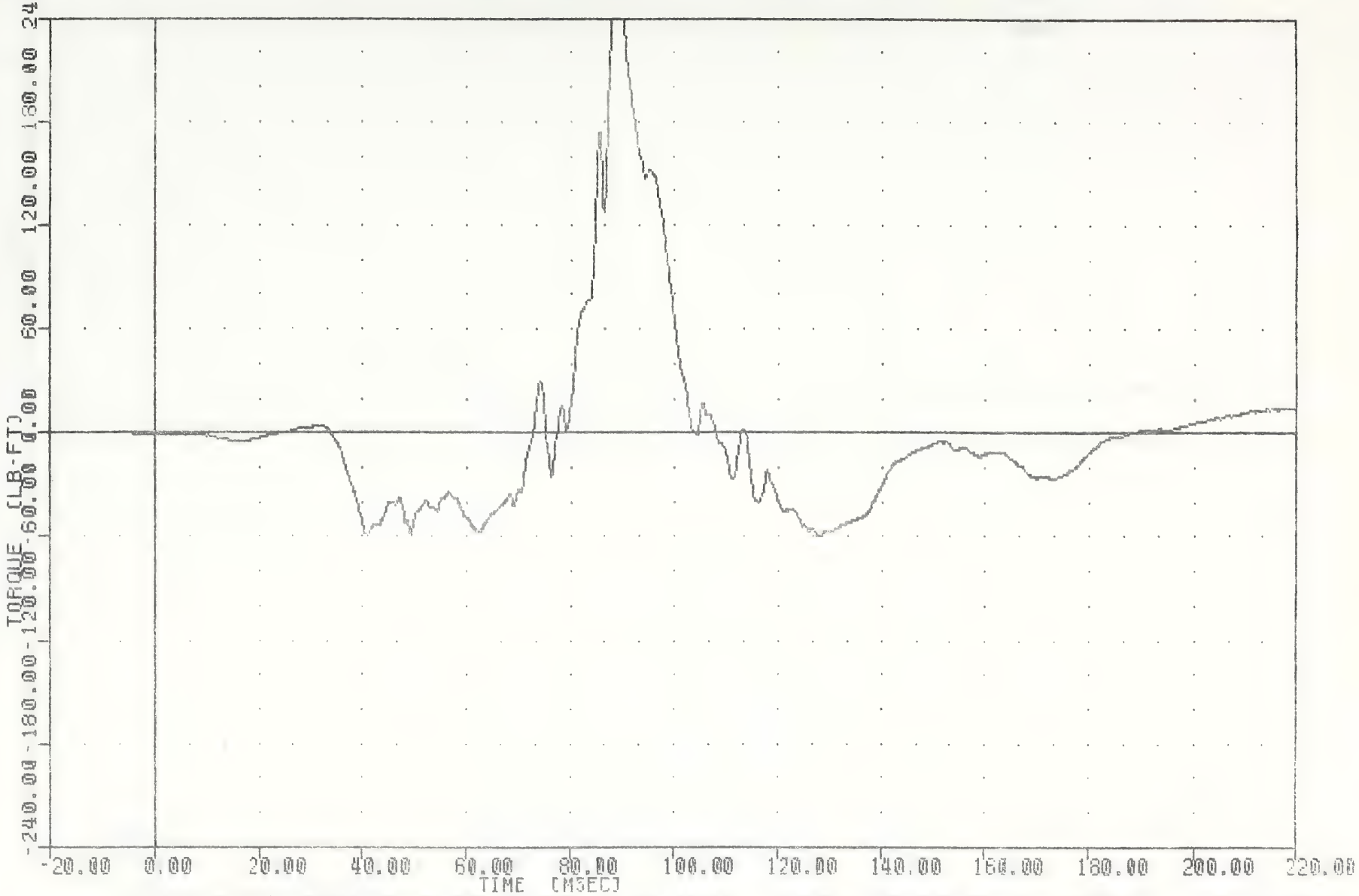


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE - RIGHT SENSOR LBS



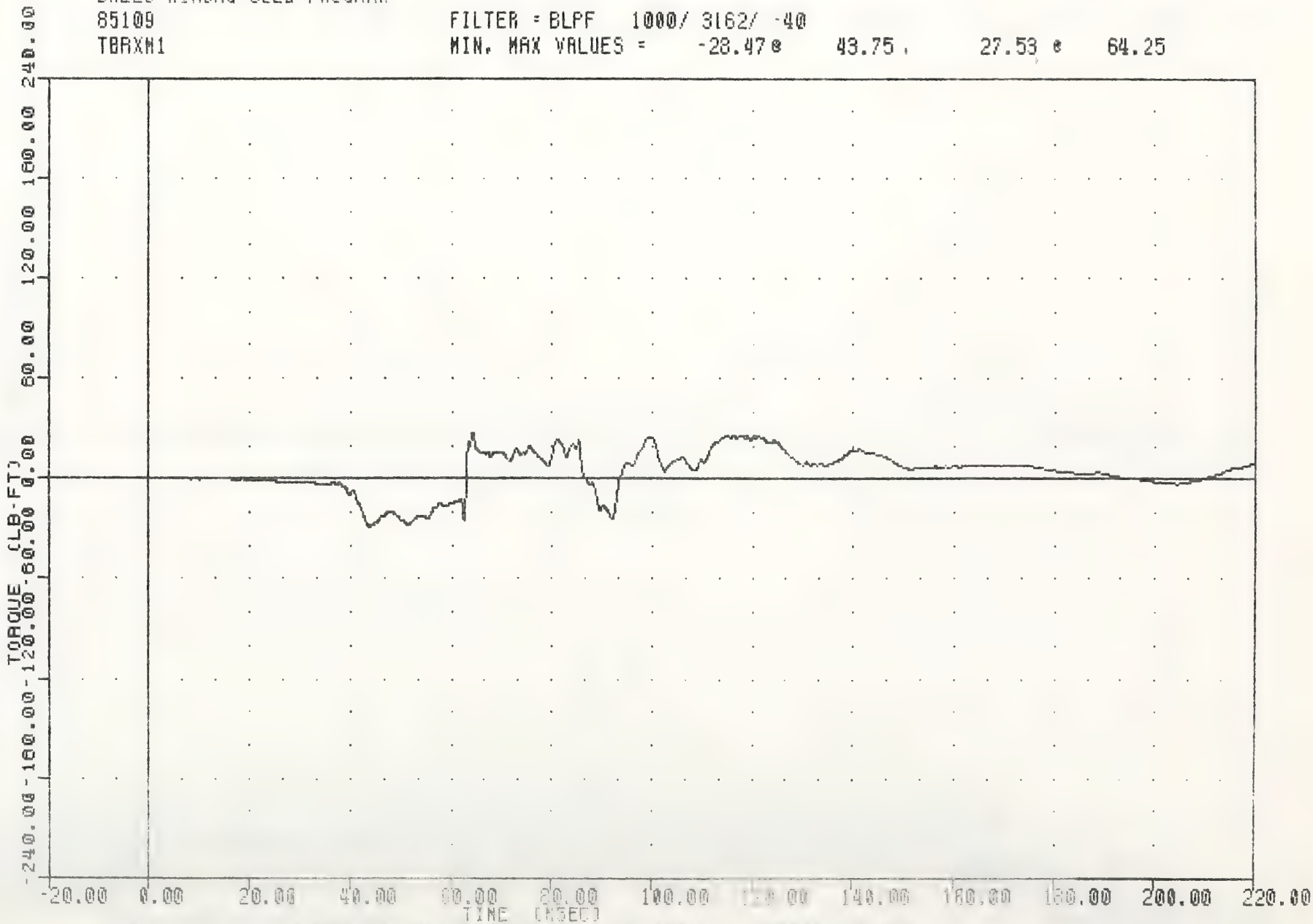
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT X AXIS LB-FT

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
TBLYM1 MIN, MAX VALUES = -59.53@ 128.25 , 294.37 @ 88.75



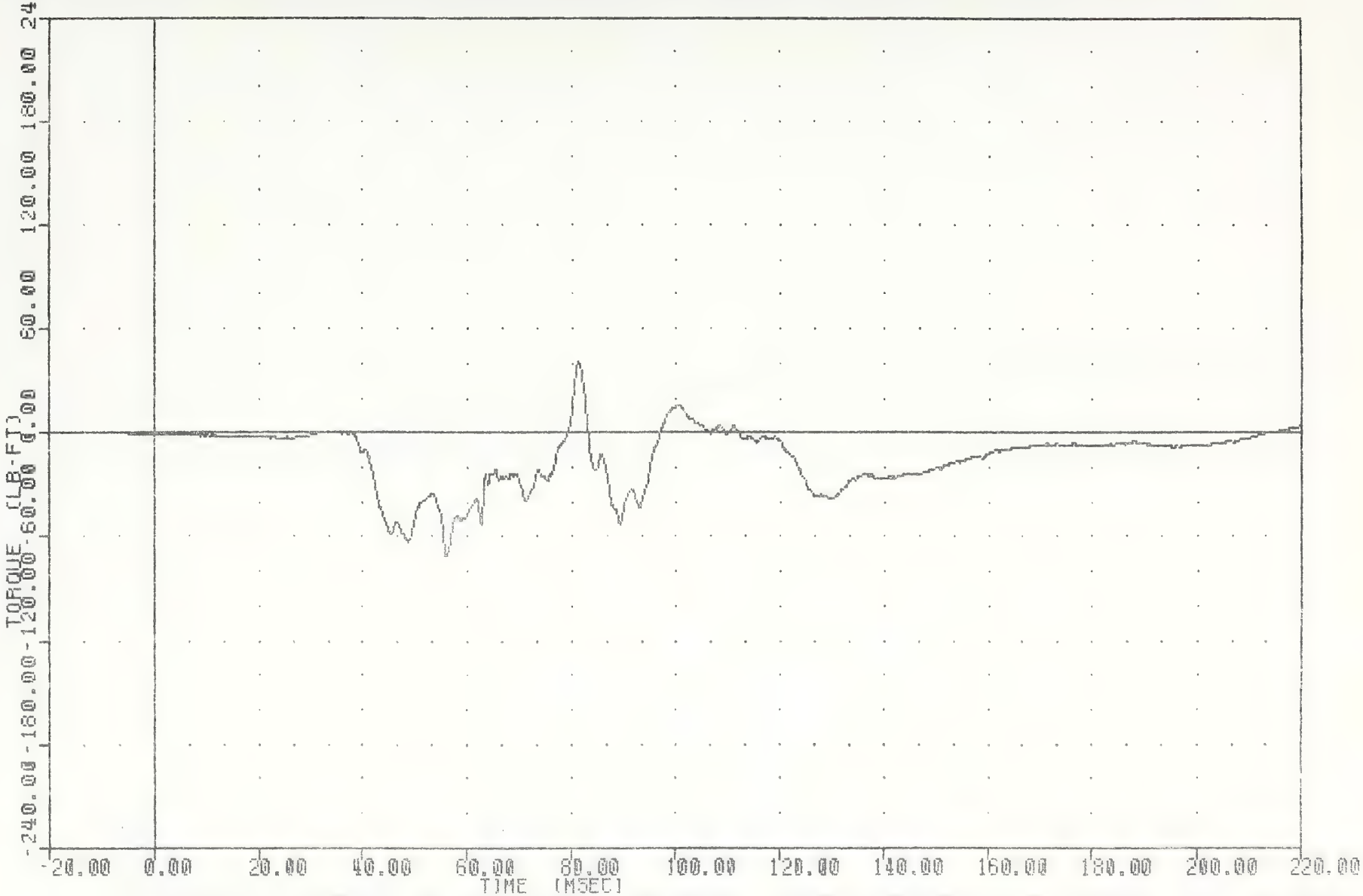
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT Y AXIS LB-FT

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
TBRXM1 MIN. MAX VALUES = -28.47 @ 43.75 , 27.53 @ 64.25



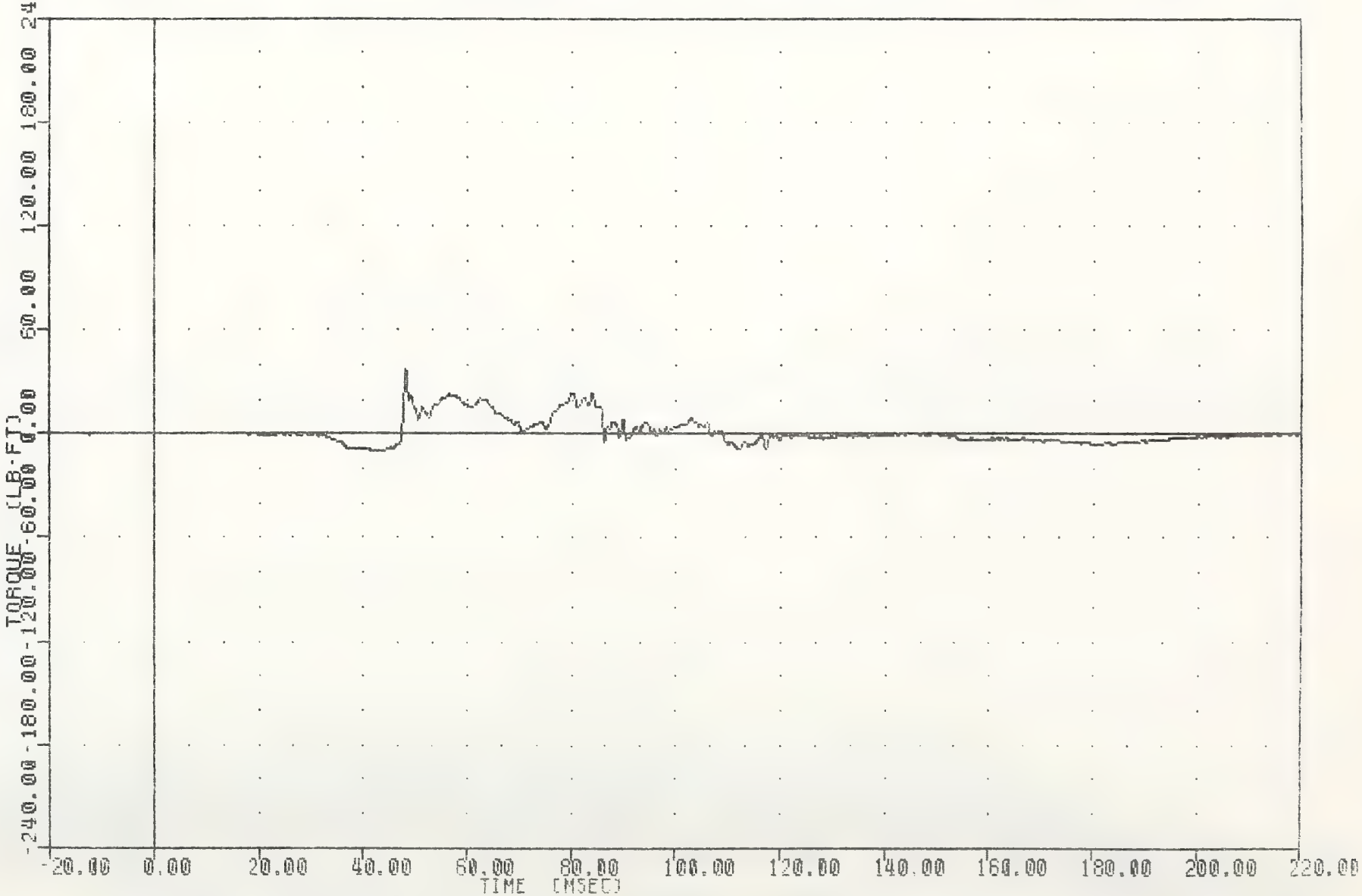
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER NECK MOMENT X AXIS LB-FT

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
TBRYM1 MIN. MAX VALUES = -71.31 @ 56.00 , 40.62 @ 81.25



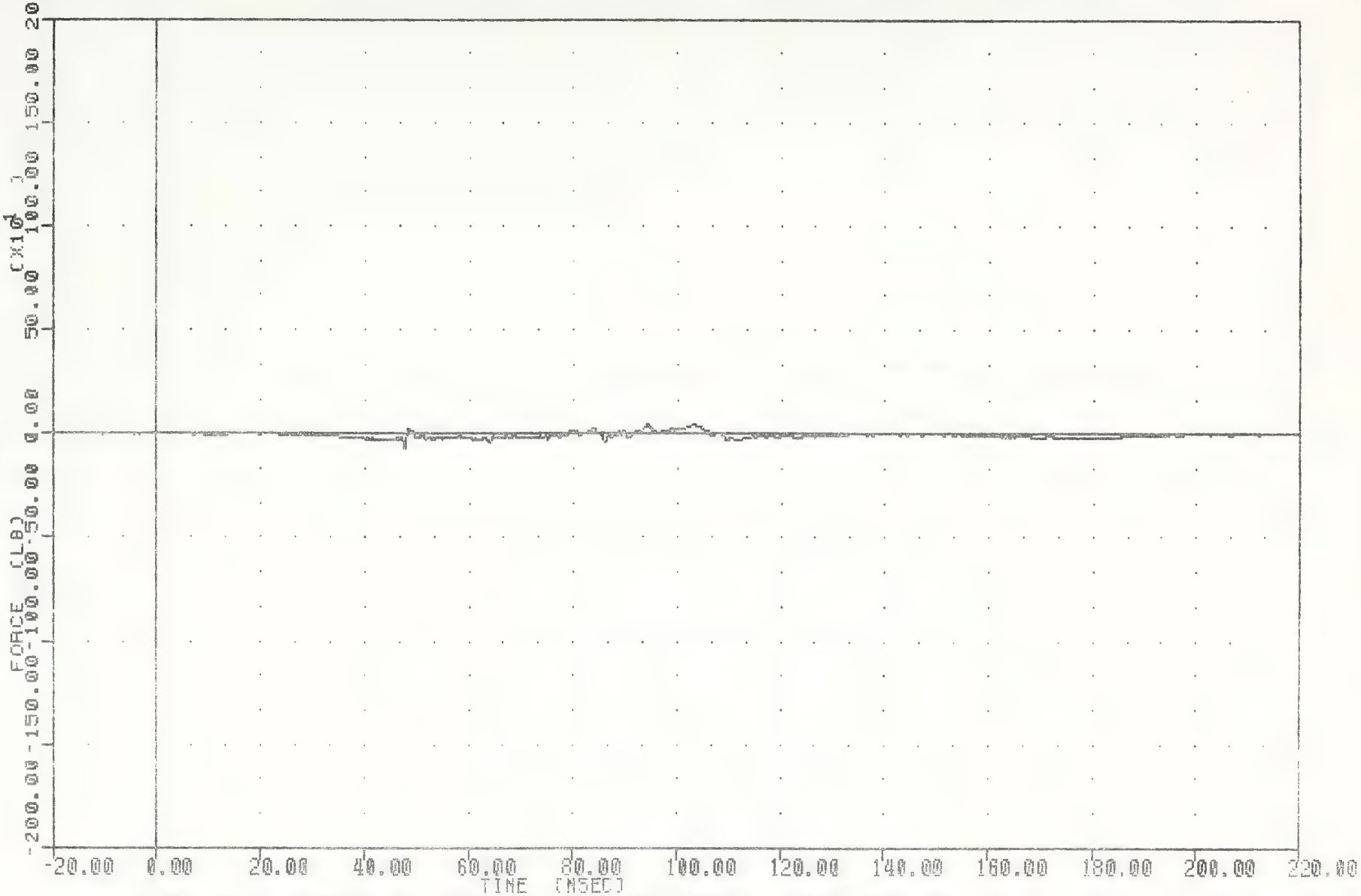
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LB-FT

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
65109 FILTER = BLPF 1000/ 3162/ -40
ANLXM1 MIN. MAX VALUES = -10.03@ 43.63 , 37.42 @ 48.13

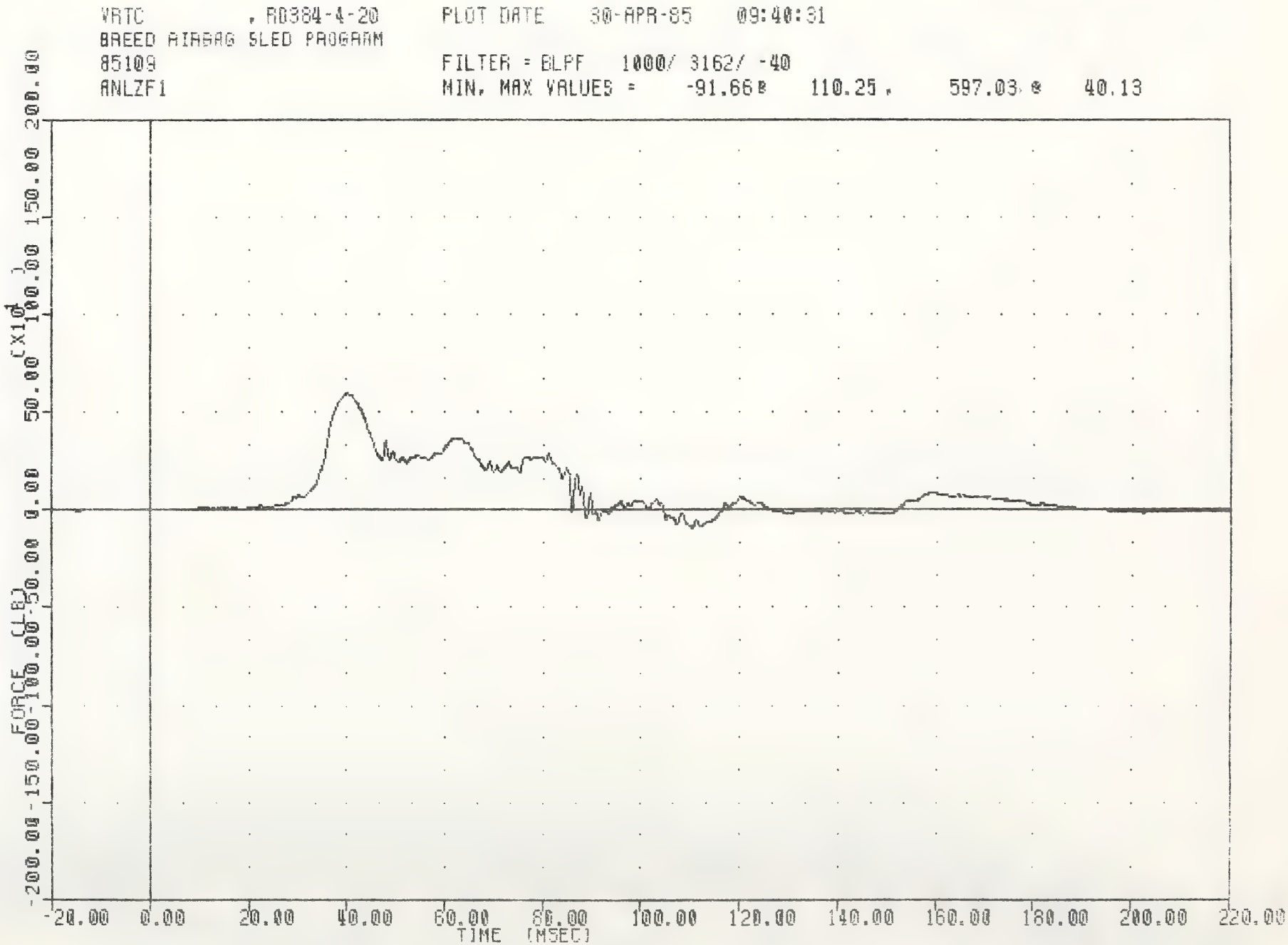


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA MOMENT X AXIS LB-FT

VATC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
ANLYF1 MIN, MAX VALUES = -68.03@ 47.63, 45.09 @ 103.13

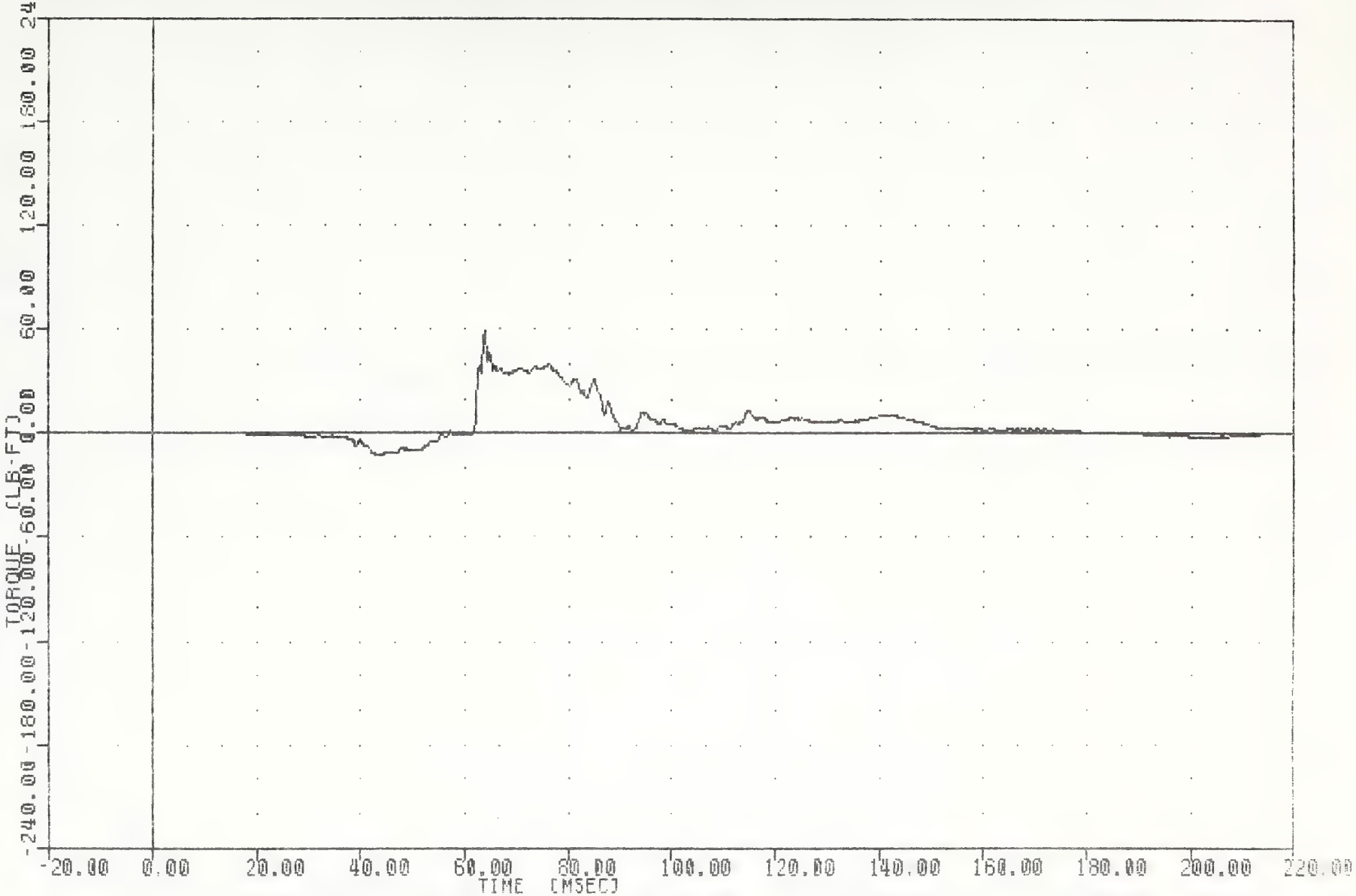


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE - AXIS LBS



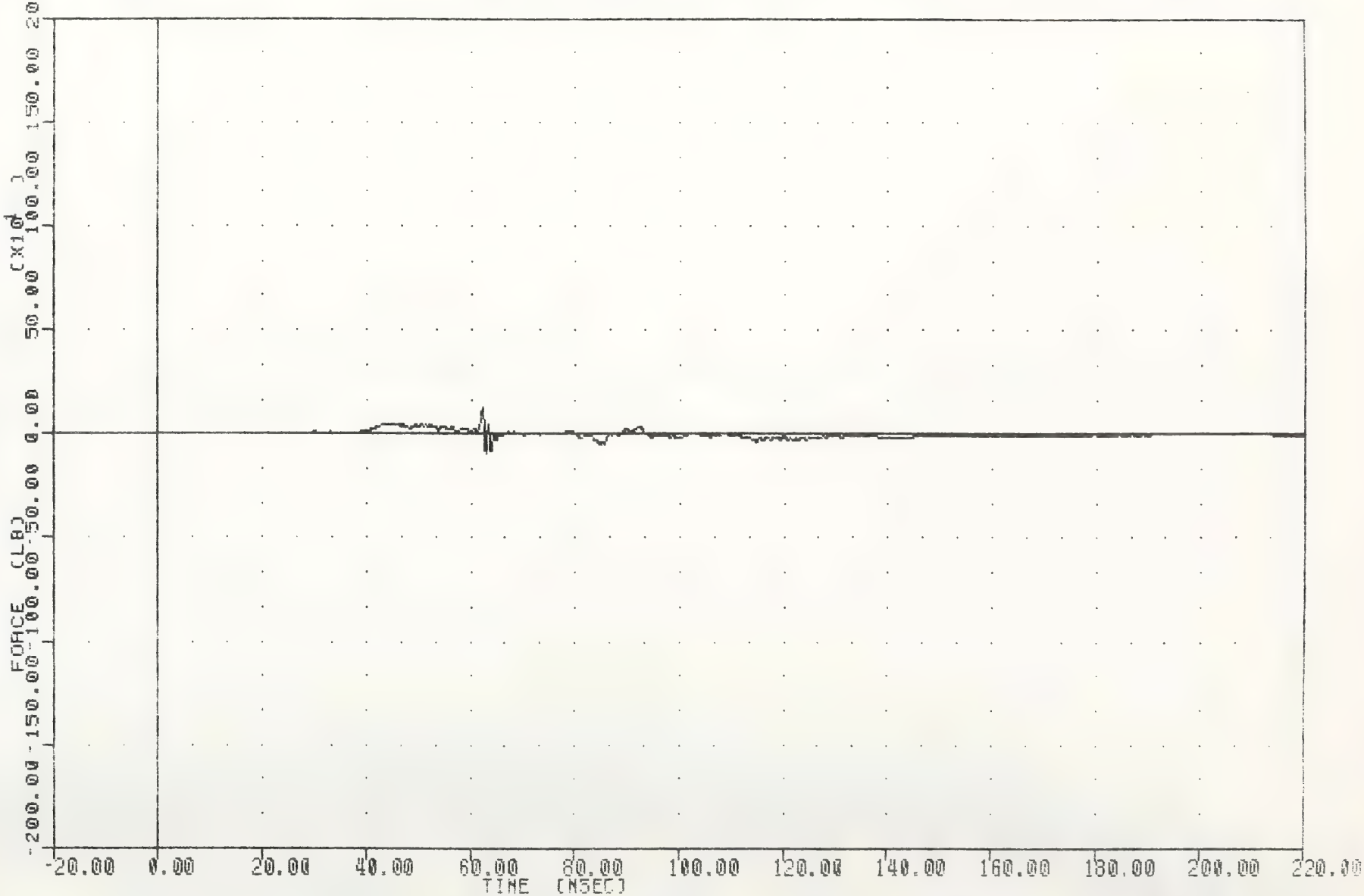
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE Z AXIS LBS

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
ANAXM1 MIN. MAX VALUES = -12.66@ 43.25 , 58.78 @ 63.75



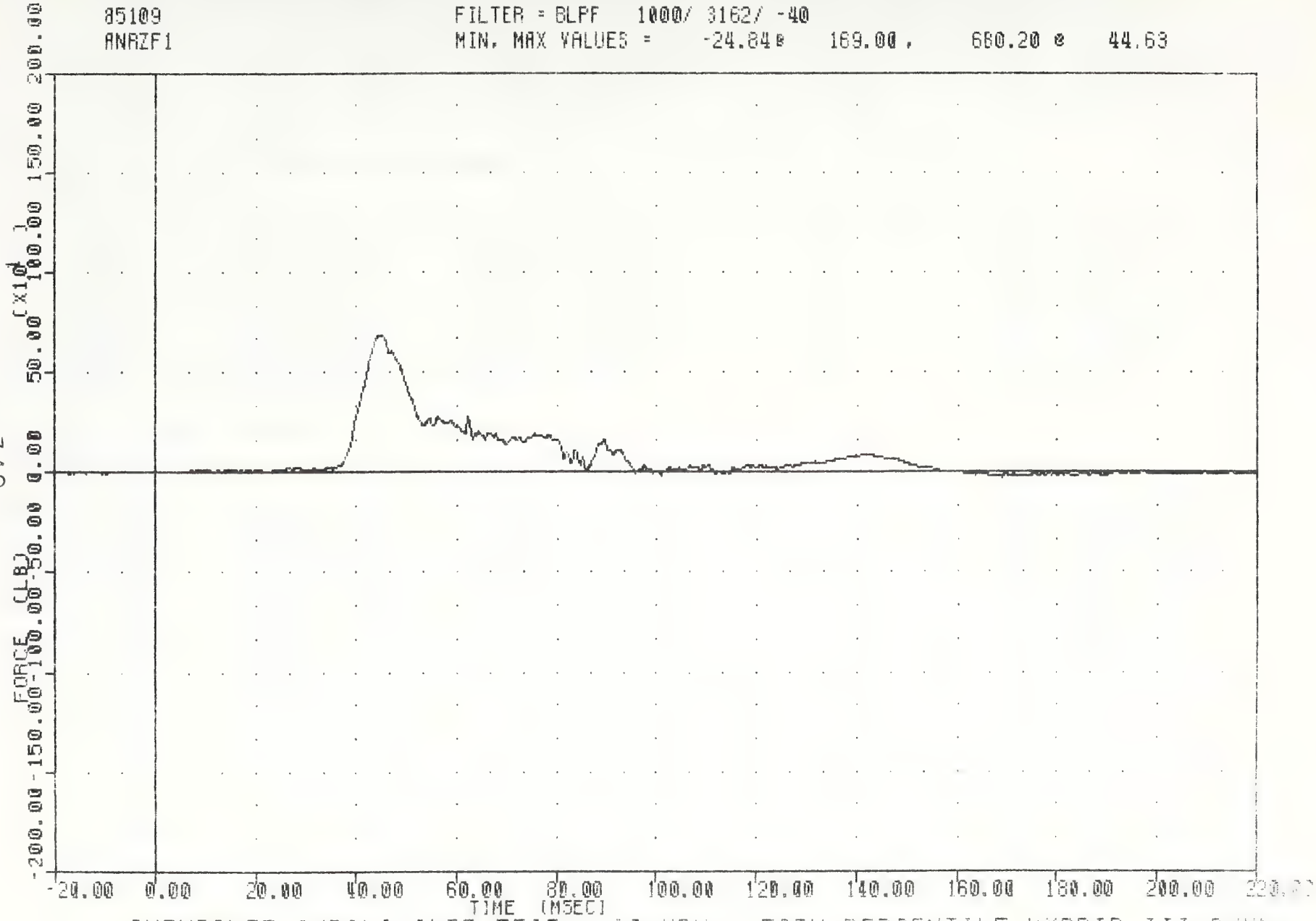
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT

VRTC , RD384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
ANRYF1 MIN, MAX VALUES = -92.11 @ 62.88 , 133.97 @ 62.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE - AXIS LBS

VRTC , R0384-4-20 PLOT DATE 30-APR-85 09:40:31
BREED AIRBAG SLED PROGRAM
85109 FILTER = BLPF 1000/ 3162/ -40
ANRZF1 MIN, MAX VALUES = -24.84 @ 169.00 , 680.20 @ 44.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE T [illegible] 185

TRC428P.RAD;2
VRTC RD384-4-21 BREED AIRBAG SLED PROGRAM 6-MAY-85 10:33
85119 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.061 @ 47.375	1.579 @ -15.750 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.658 @ 120.500	0.135 @ -18.500 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.129 @ 57.250	0.652 @ 121.500 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-115.616 @ 89.125	8.089 @ 219.875 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-35.229 @ 108.750	3.003 @ 98.000 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-0.904 @ 32.375	66.474 @ 89.125 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-50.148 @ 94.625	9.394 @ 220.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-10.495 @ 115.250	5.953 @ 93.500 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-9.113 @ 105.875	6.660 @ 69.000 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-53.933 @ 85.000	8.645 @ 220.000 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-39.229 @ 76.750	4.989 @ 129.625 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-28.848 @ 81.250	4.291 @ 138.625 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-3.770 @ 47.125	7.642 @ 106.375 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-21.644 @ 84.750	1.246 @ 220.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-169.510 @ 29.625	147.516 @ 98.750 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-382.790 @ 49.750	351.634 @ 85.875 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-22.861 @ 59.375	0.748 @ 173.625 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-1.418 @ 43.000	2.289 @ 37.500 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-1.547 @ 34.250	2.250 @ 29.375 msec	g	BLPF 100/ 316/ -40
20	SHBF1	-0.214 @ -13.375	2455.655 @ 89.125 msec	lb	BLPF 100/ 316/ -40
21	LBOF1	-10.776 @ 132.875	1261.578 @ 84.250 msec	lb	BLPF 100/ 316/ -40
22	ABT3	-0.002 @ -19.875	2.315 @ 24.000 msec	volt	ALPF 1650/ 5214/ -40
23	ABT4	-0.163 @ 89.000	0.491 @ 96.500 msec	volt	ALPF 1650/ 5214/ -40

TRC428IP.RAD;1
VRTC RD384-4-21 BREED AIRBAG SLED PROGRAM 30-APR-85 11:08
85119 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-43.354 @ 162.000	0.536 @ 49.625 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-57.910 @ 220.000	0.156 @ 63.500 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-41.038 @ 207.000	-0.130 @ -1.750 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-64.313 @ 220.000	-0.090 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-27.766 @ 115.875	0.011 @ -10.750 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-45.049 @ 220.000	0.000 @ -7.875 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-32.197 @ 115.625	0.091 @ -20.000 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-61.817 @ 220.000	0.066 @ 3.000 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-31.716 @ 117.500	0.002 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-60.081 @ 220.000	-0.001 @ -18.750 msec	in	BLPF 300/ 949/ -40

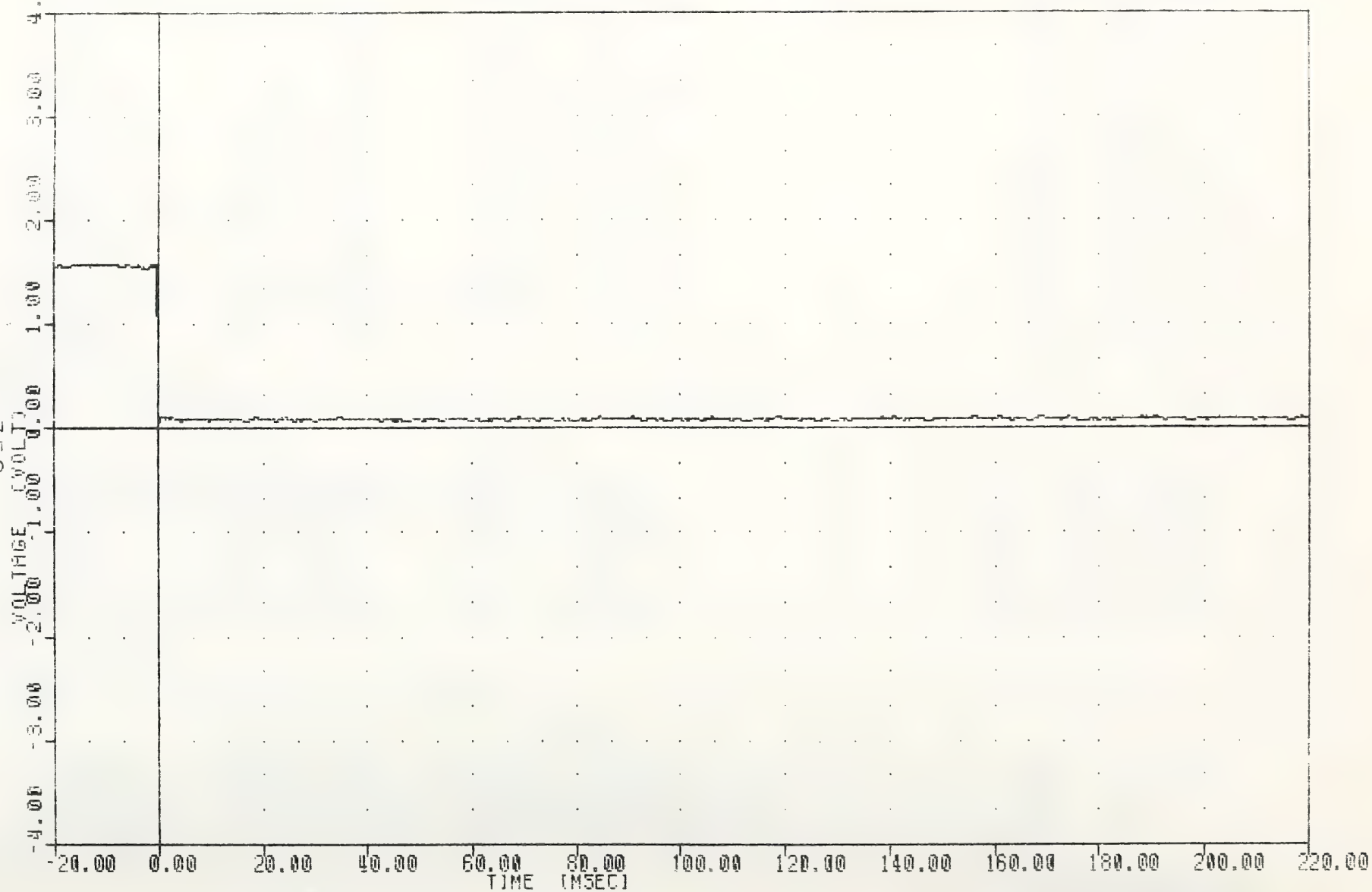
TRC428RP.RAD;1
VRTC RD384-4-21 BREED AIRBAG SLED PROGRAM 30-APR-85 11:08
85119 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.039 @ 18.375	133.403 @ 89.125 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.059 @ -9.875	50.359 @ 94.625 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.027 @ 6.000	35.487 @ 81.500 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.060 @ -18.750	22.886 @ 59.250 msec	g	BLPF 100/ 316/ -40

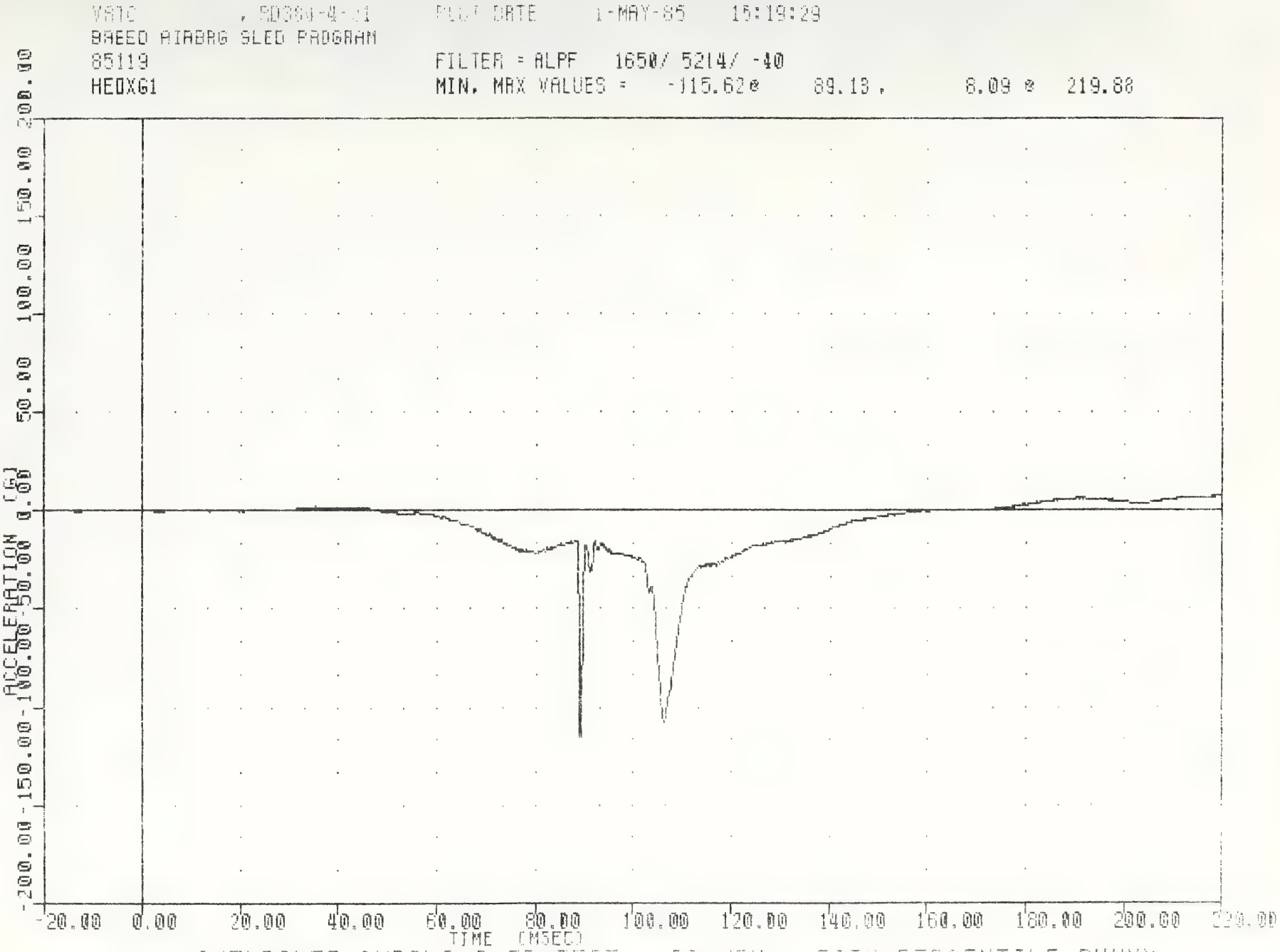
```
                                HEDRGF\F\1

 * * *   HIC computation for [SLED.BREED]TRC428RP.RAD;1        30-APR-85 11:16:22

 HEDRG1      VRTC        RD384-4-21  85119        BREED AIRBAG SLED PROGRAM

    Using time range =   0.000 to 220.000 msec     Peak accel = 133.40 @  89.125

 HIC =  855.31     Interval from  74.750 [ 759] to 114.125 [1074]

 HIC =  543.99     Interval from  96.000 [ 929] to 111.000 [1049]
```

```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC428RP

File TRC428RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-21  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC428RP.RAD;1                              VRTC        RD384-4-21
BREED AIRBAG SLED PROGRAM        30.0 mph      85119         30-APR-85 11:17:17
Deltax: 0.125

3 MS CLIP PEAK:    39.25400

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```

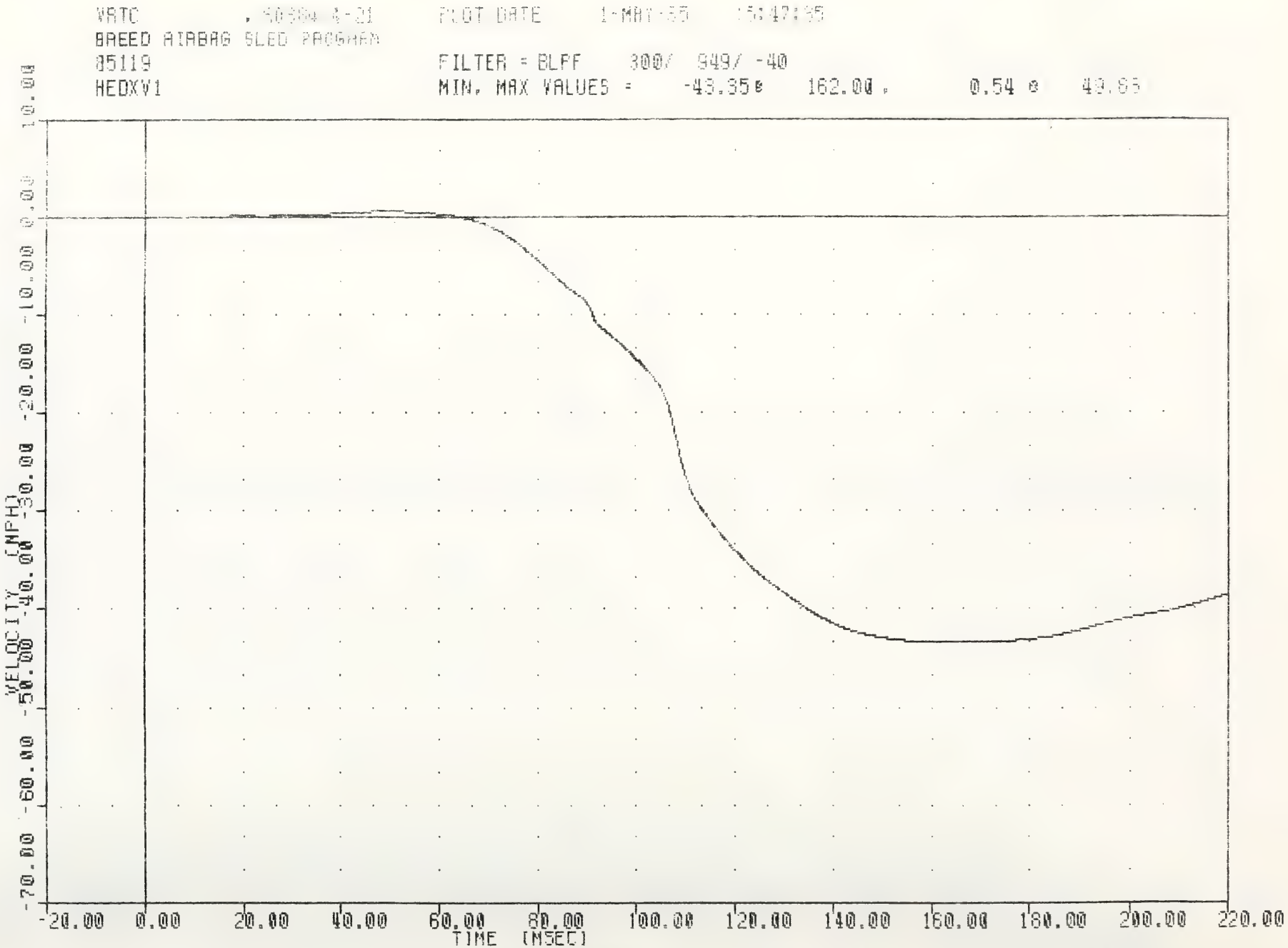
VRTC PLOT DATE 1-MAY-85
SPEED
85119 FILTER = ALPF 1650/ 5214/ -40
EVENT MIN. MAX VALUES = 0.06 @ 47.38 , 1.56 @ -15.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

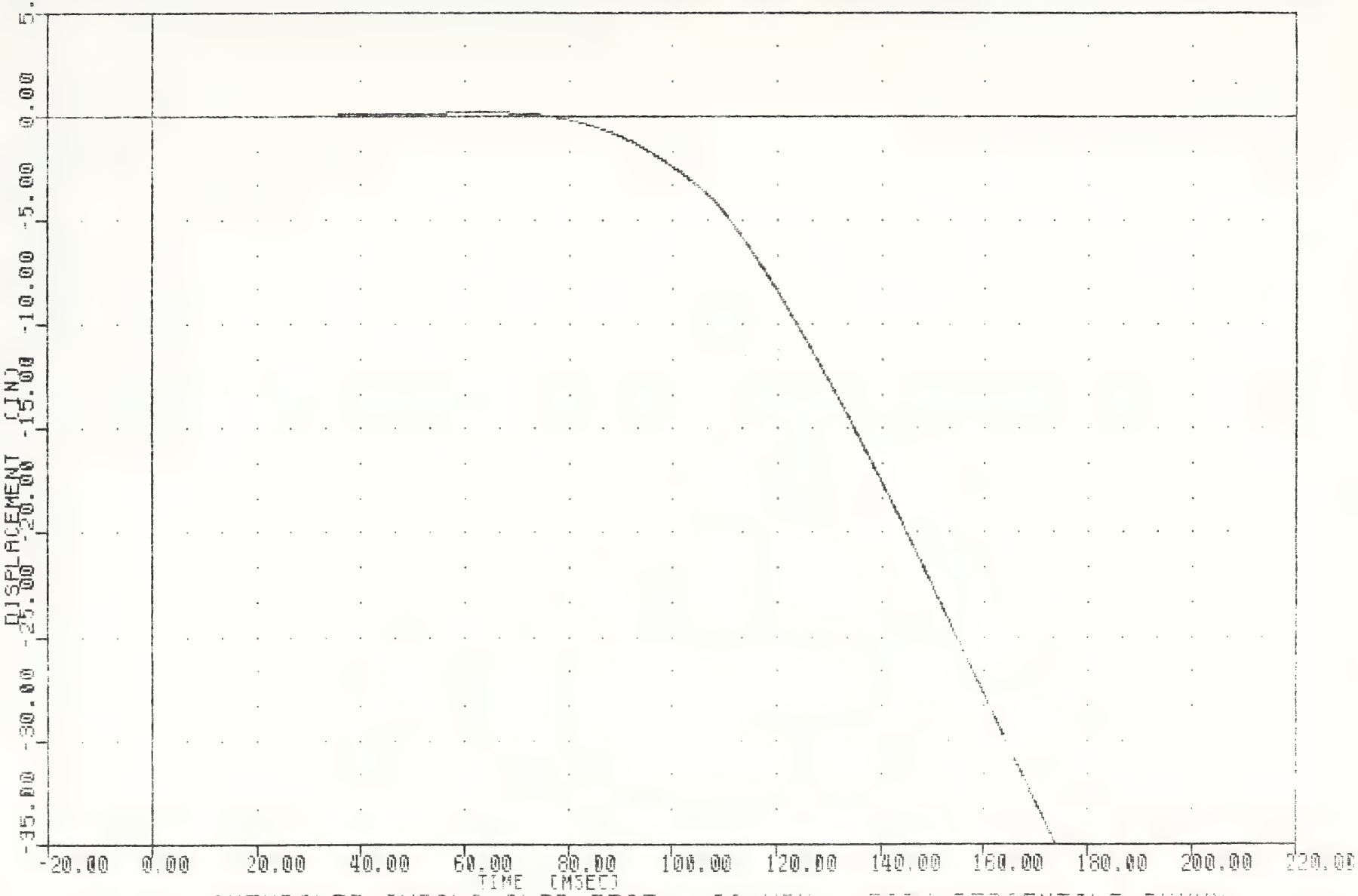


CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY

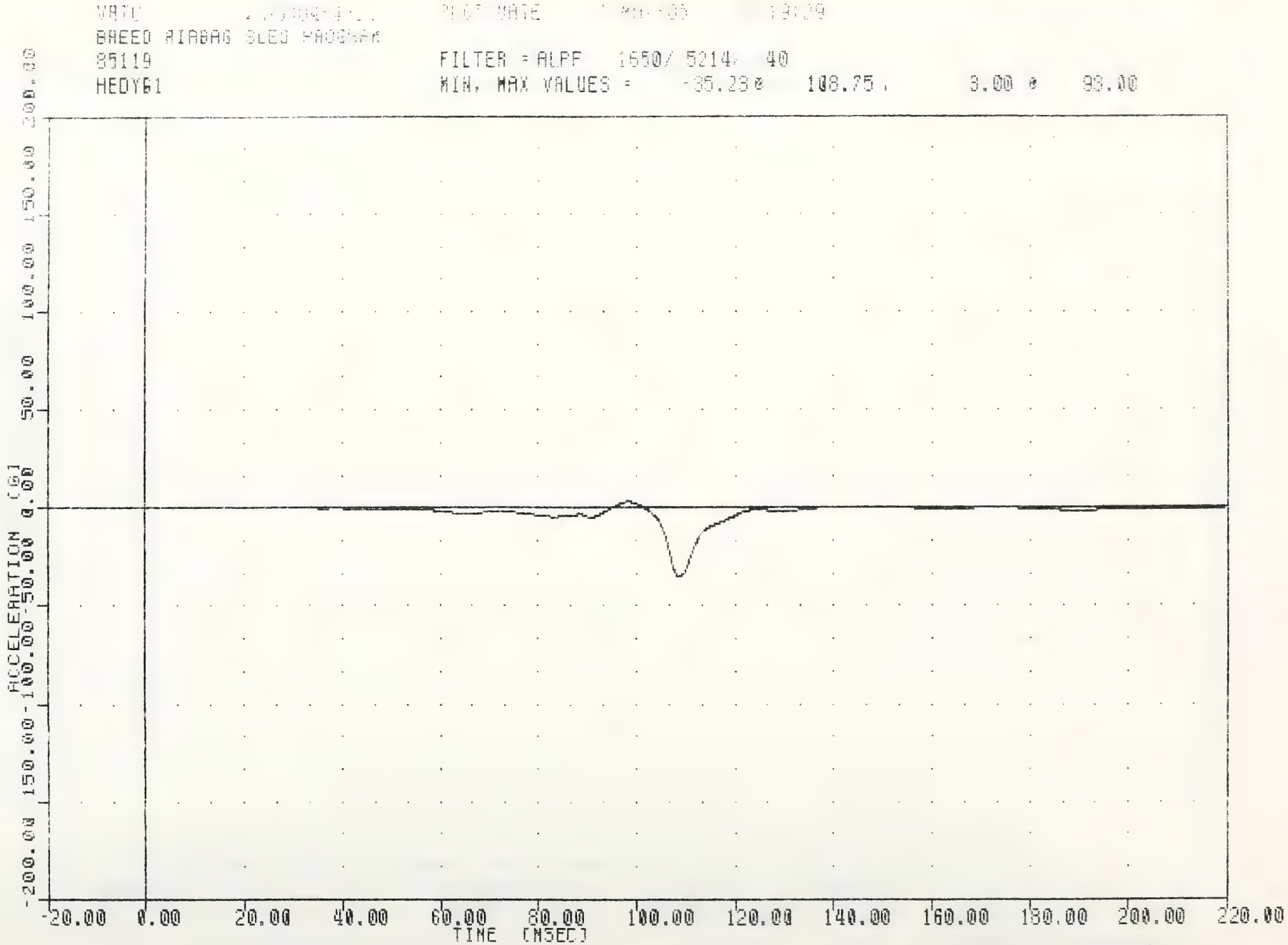


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

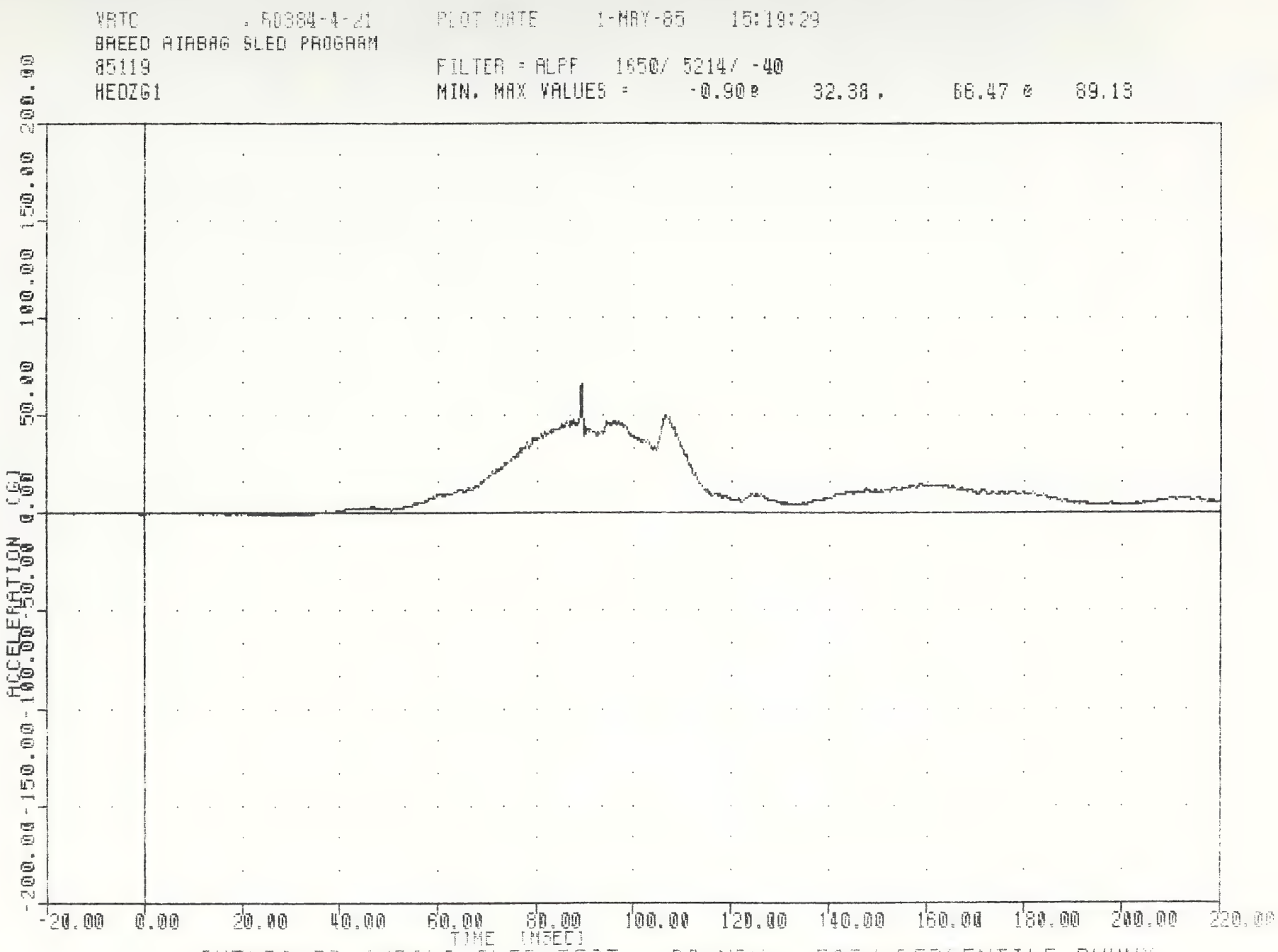
VRTC . RD884-4-21 PLOT DATE 1-MAY-85 15:47:35
BREED AIRBAG SLED PROGRAM
85119 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN, MAX VALUES = -57.91@ 220.00 , 0.16 @ 63.50



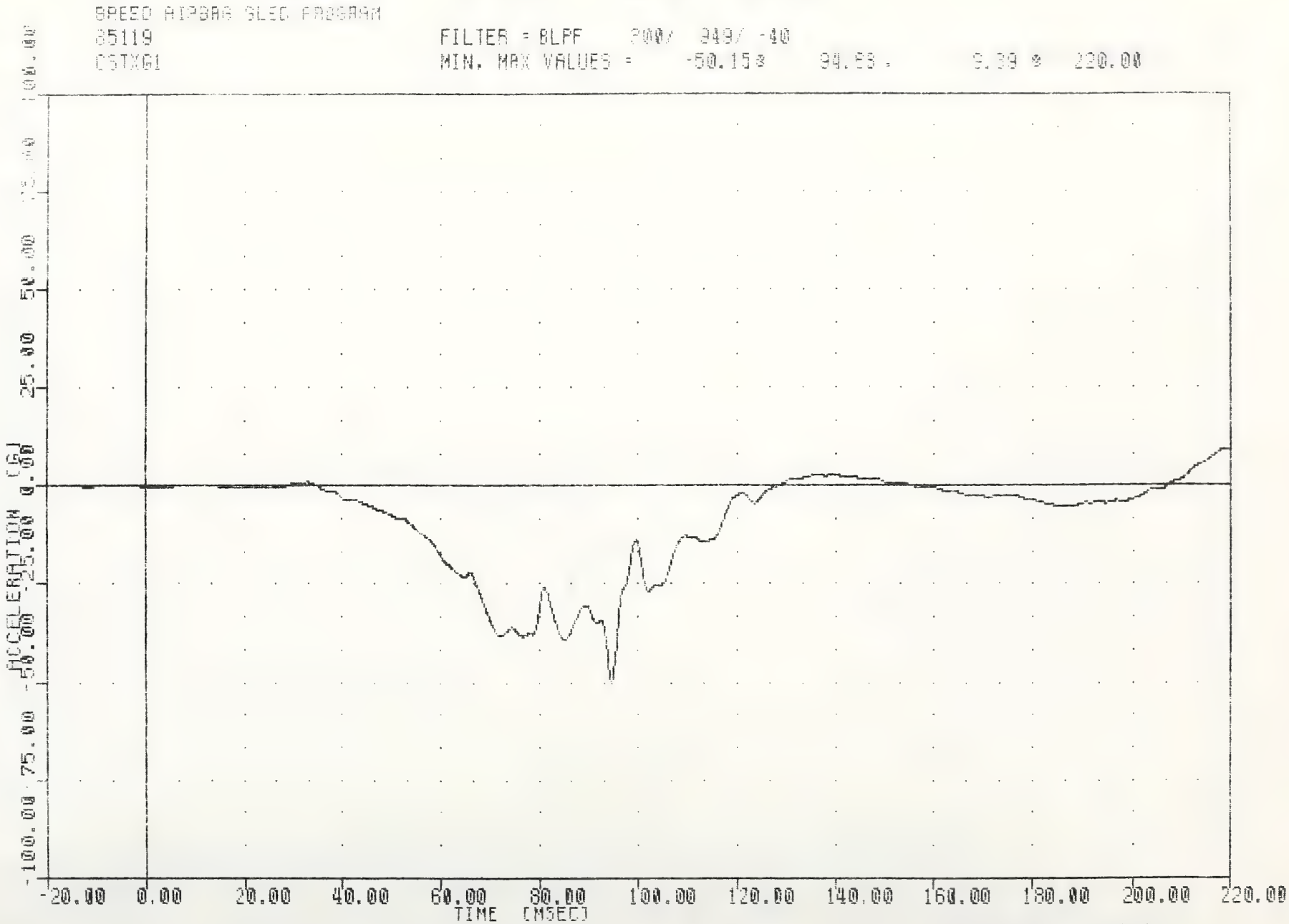
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HIPA



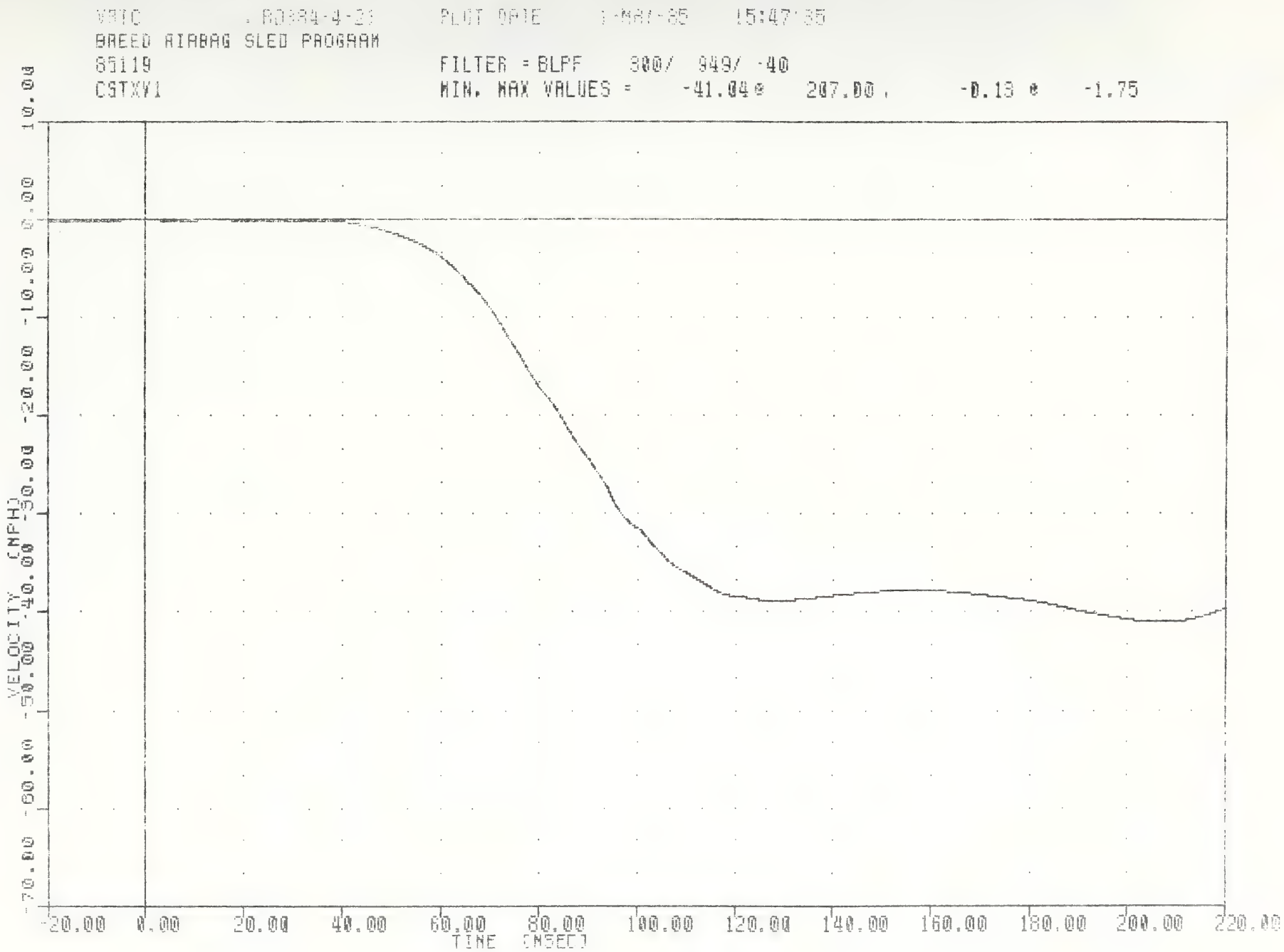
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS



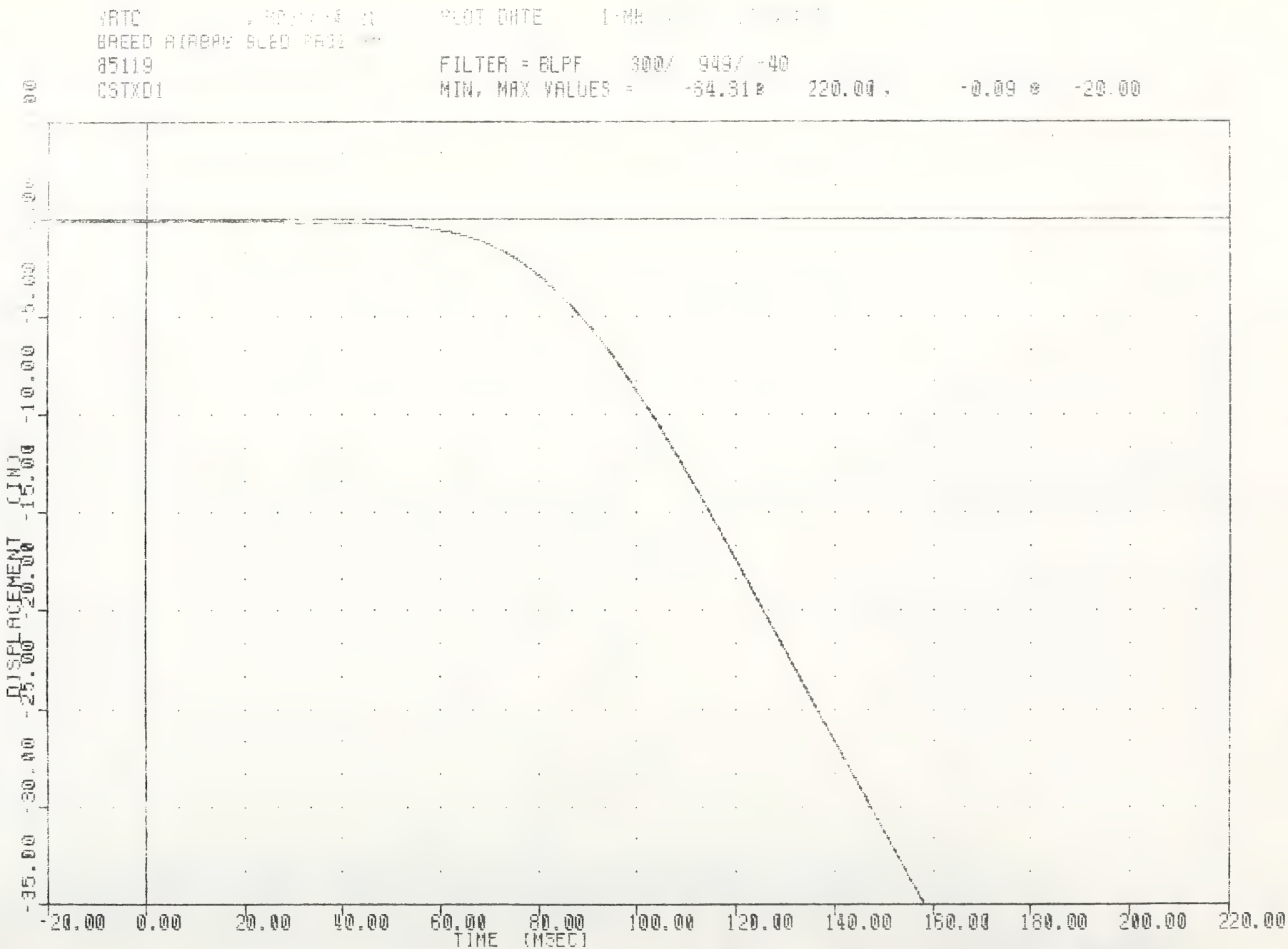
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION - G'S



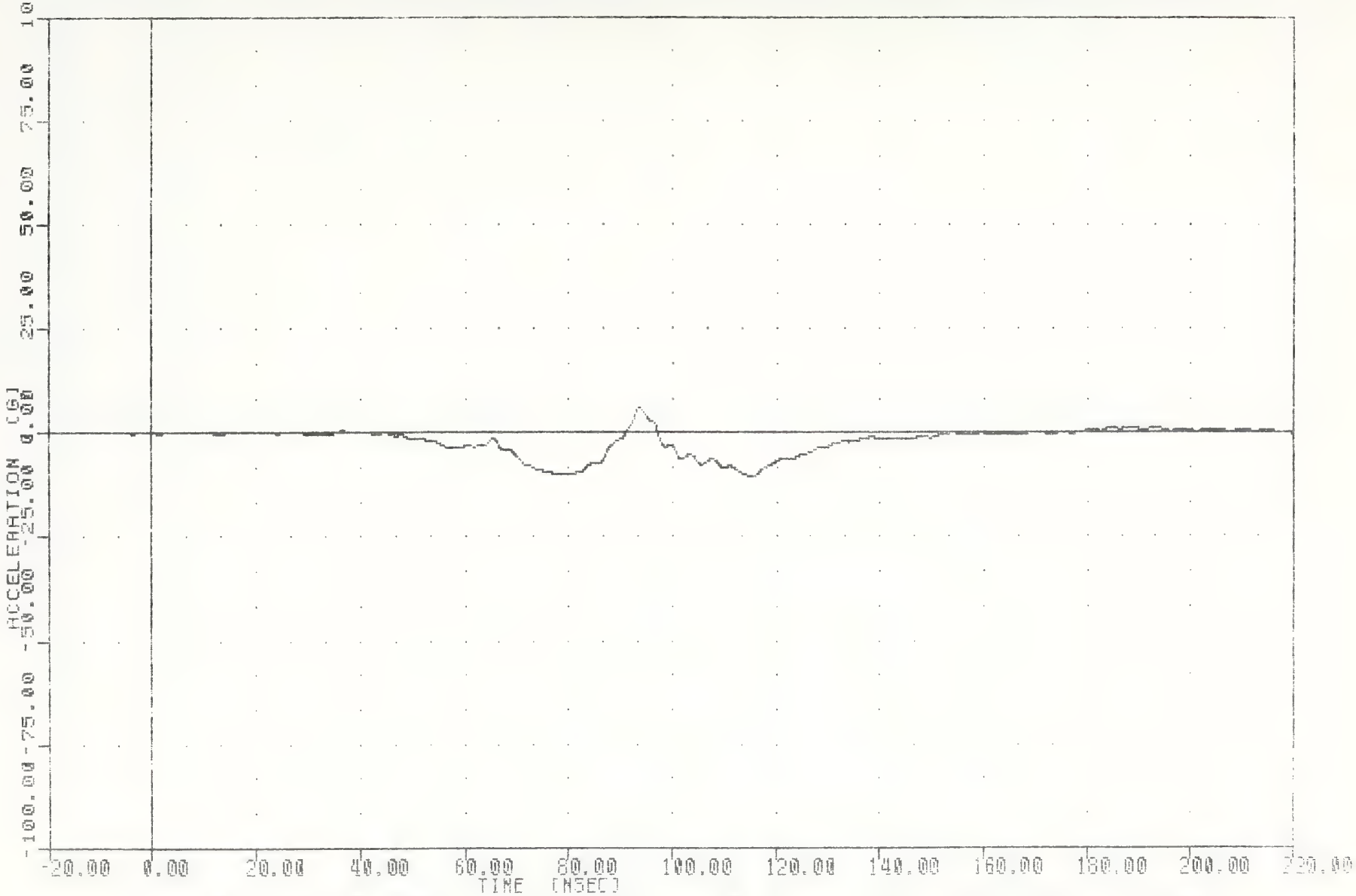
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



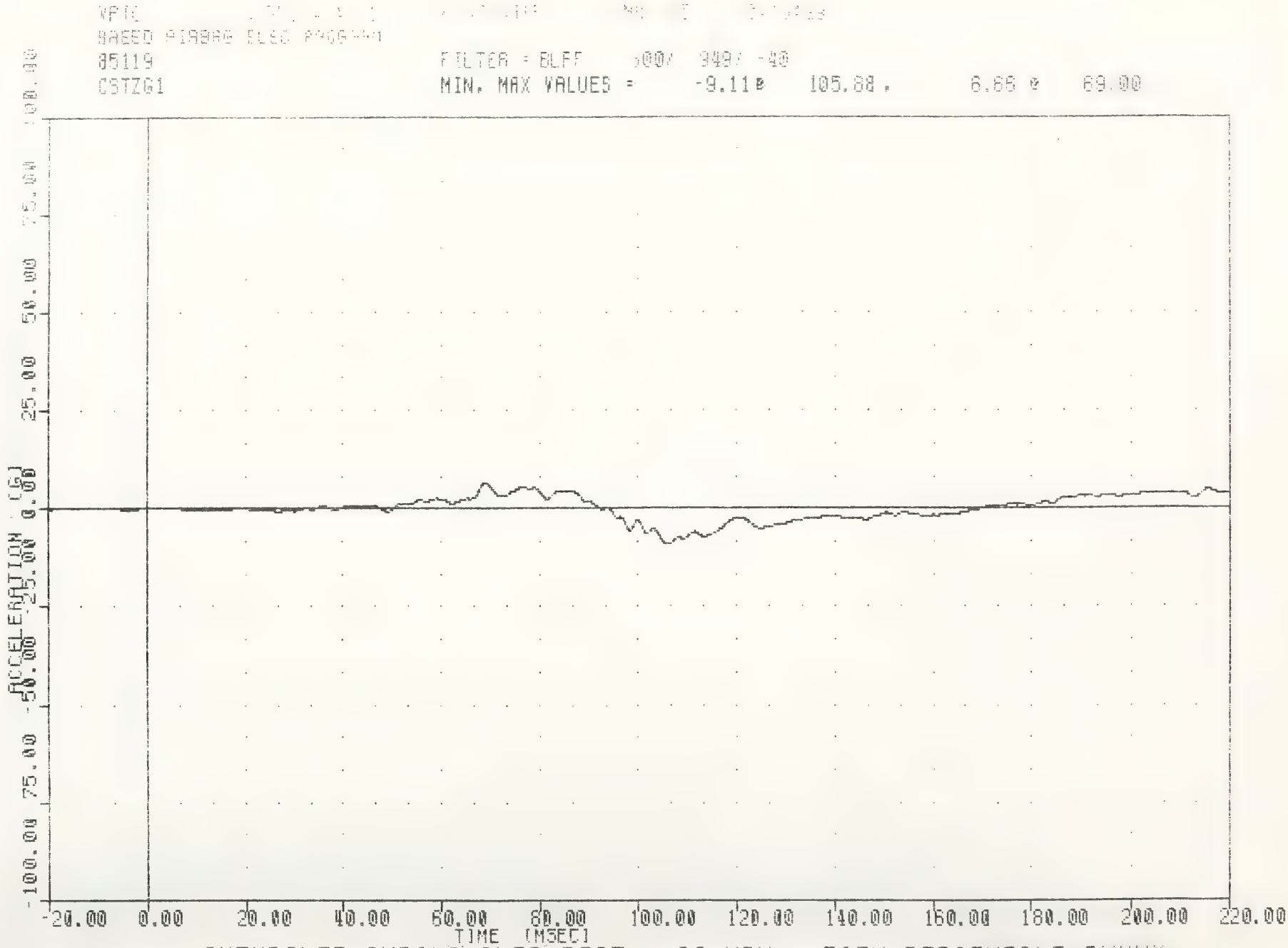
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA X DRIVE SEAT

VRTC , RD304-4-21 PLOT DATE 1-MAY-85 15:19:29
BAEED AIRBAG SLED PROGRAM
85119 FILTER = BLPF 300/ 949/ -40
CSTY61 MIN. MAX VALUES = -10.49 @ 115.25 , 5.95 @ 93.50

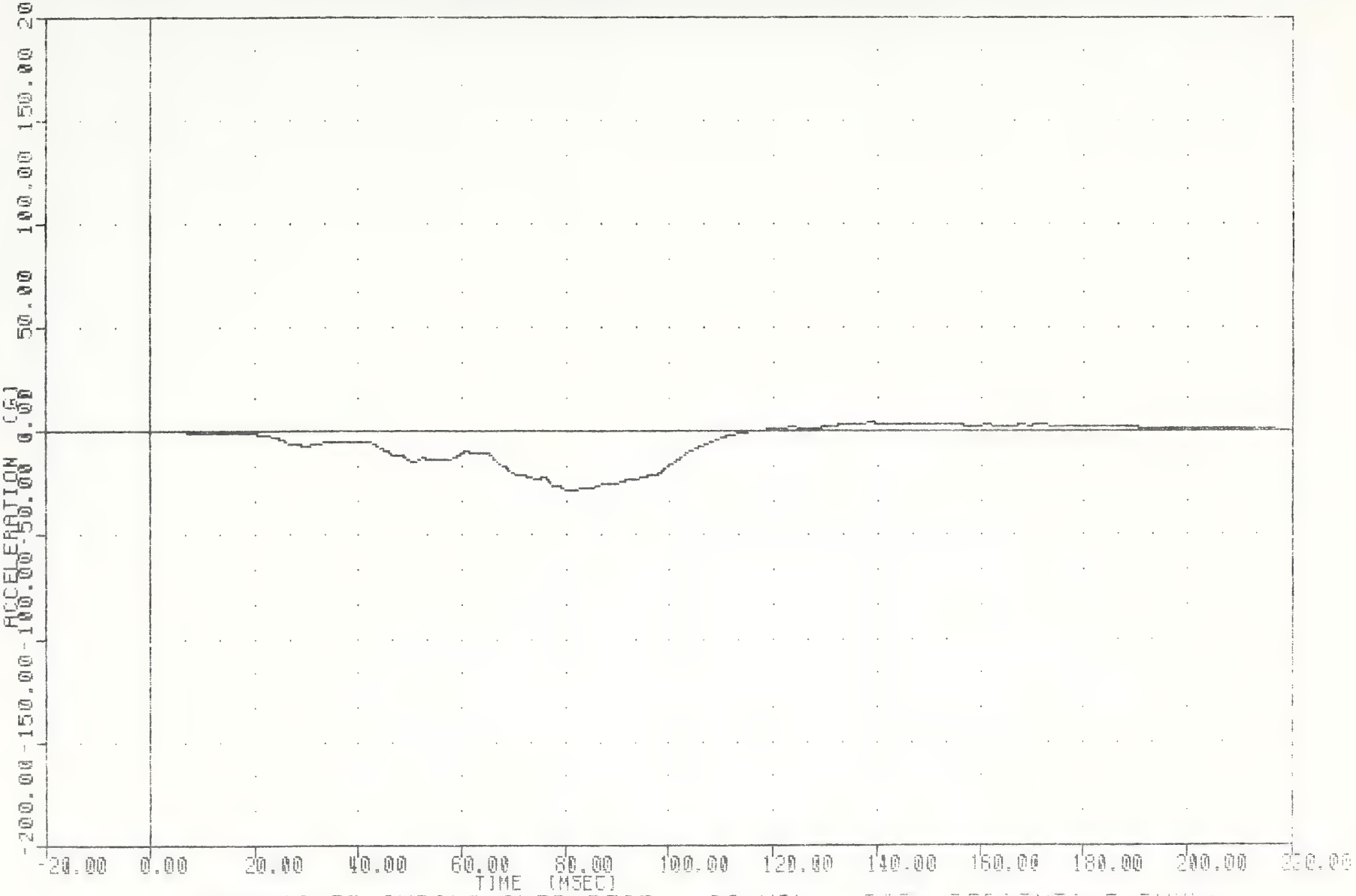


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
CHEST ACCELERATION

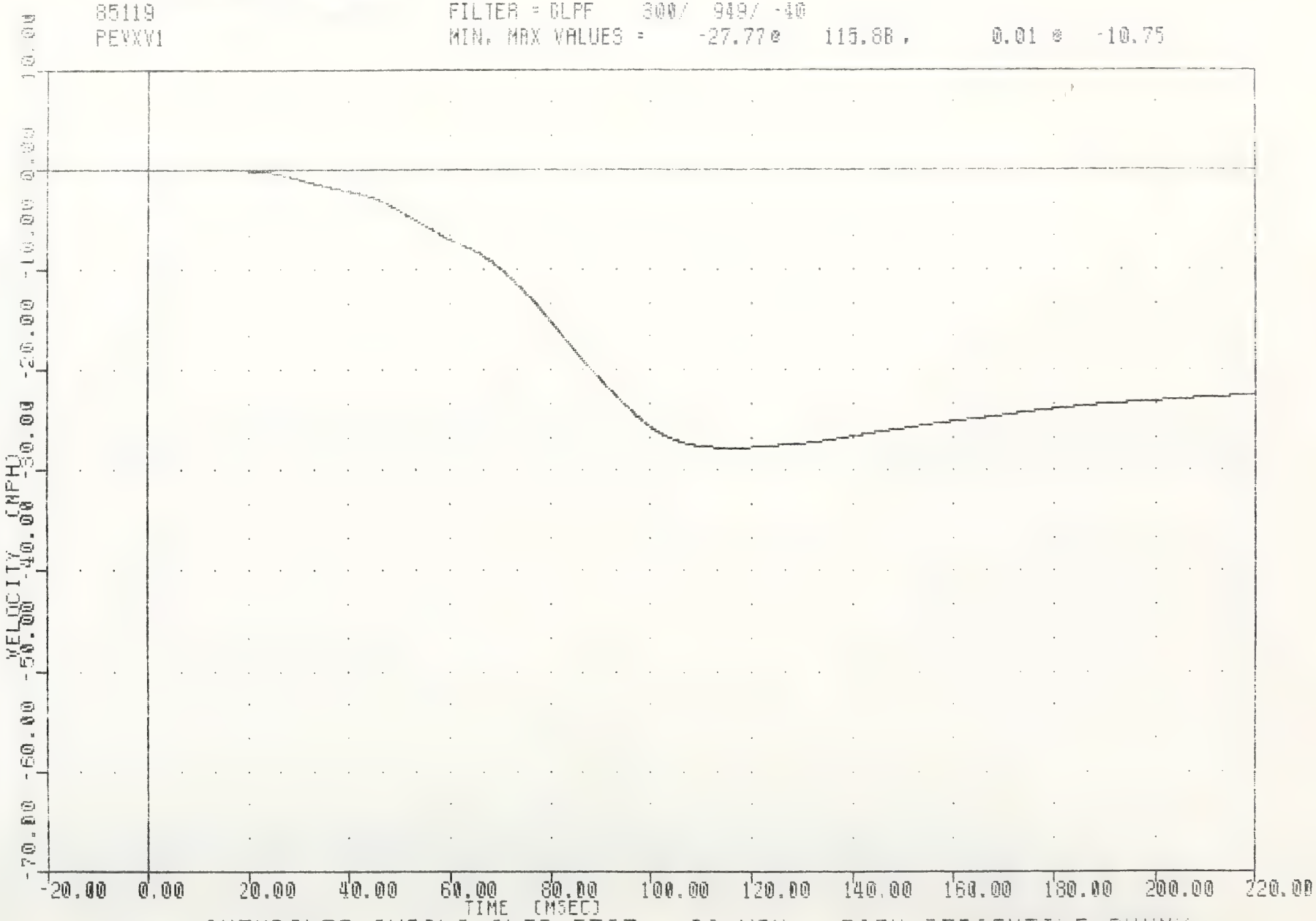


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION

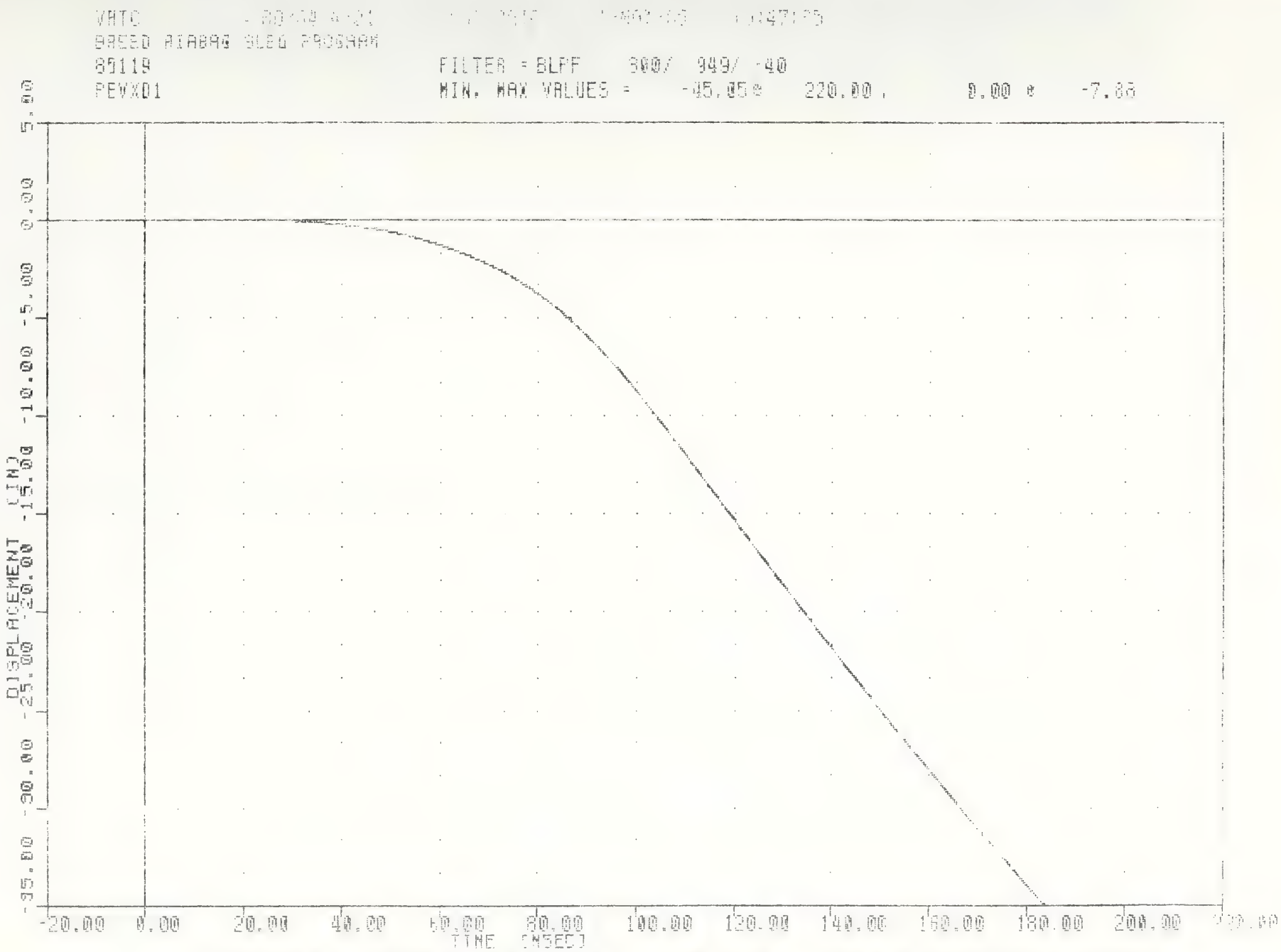
VATC , RD384-4-21 PLOT DATE 1-MAY-85 15:19:29
BASED AIRBAG SLED PROGRAM
85119 FILTER = BLPF 300/ 949/ -40
PEVX61 MIN. MAX VALUES = -28.85@ 61.25, 4.29 @ 138.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DEG OF SPLIT BENCH LENGTH - 24

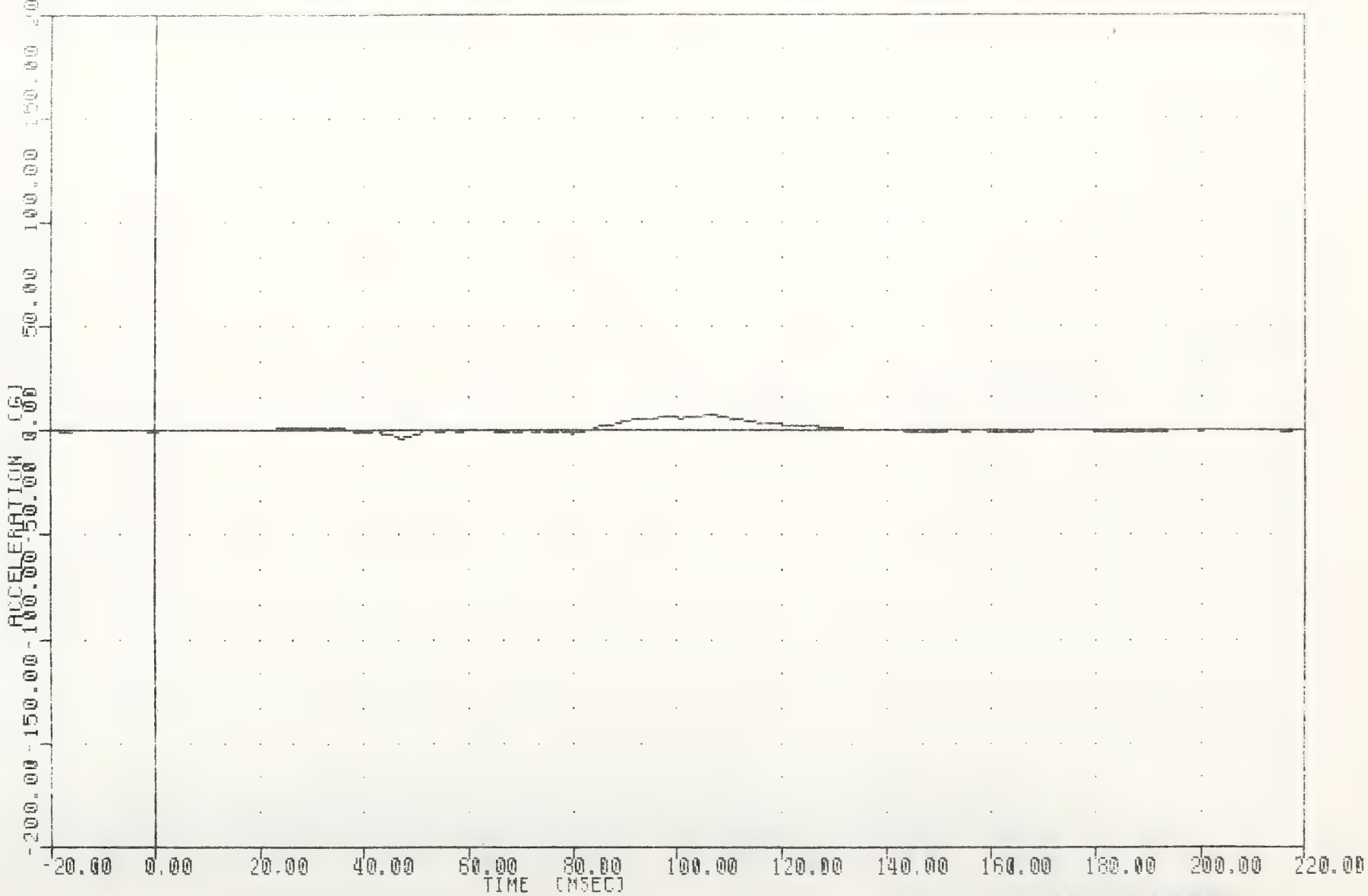


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXV1

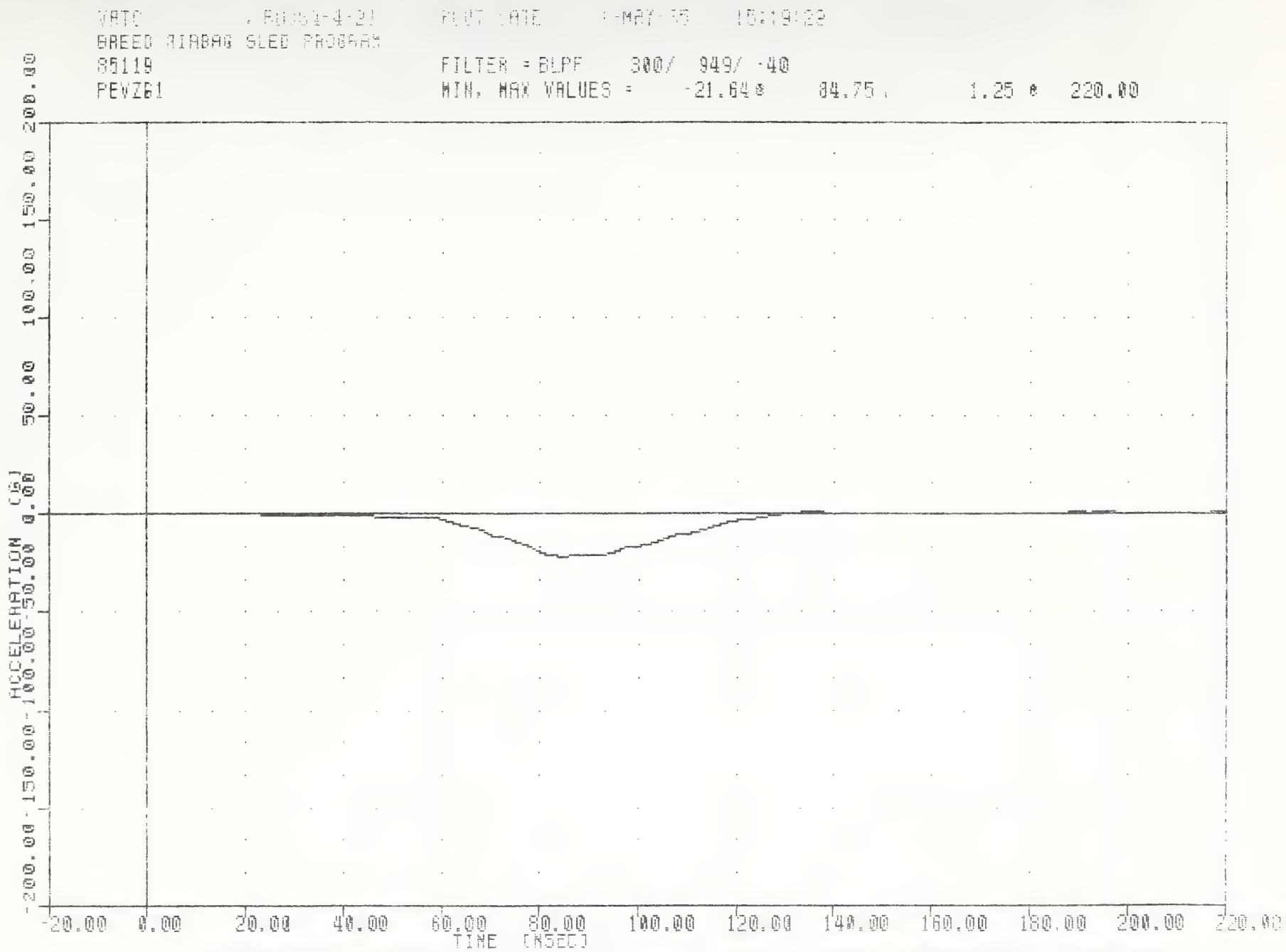


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

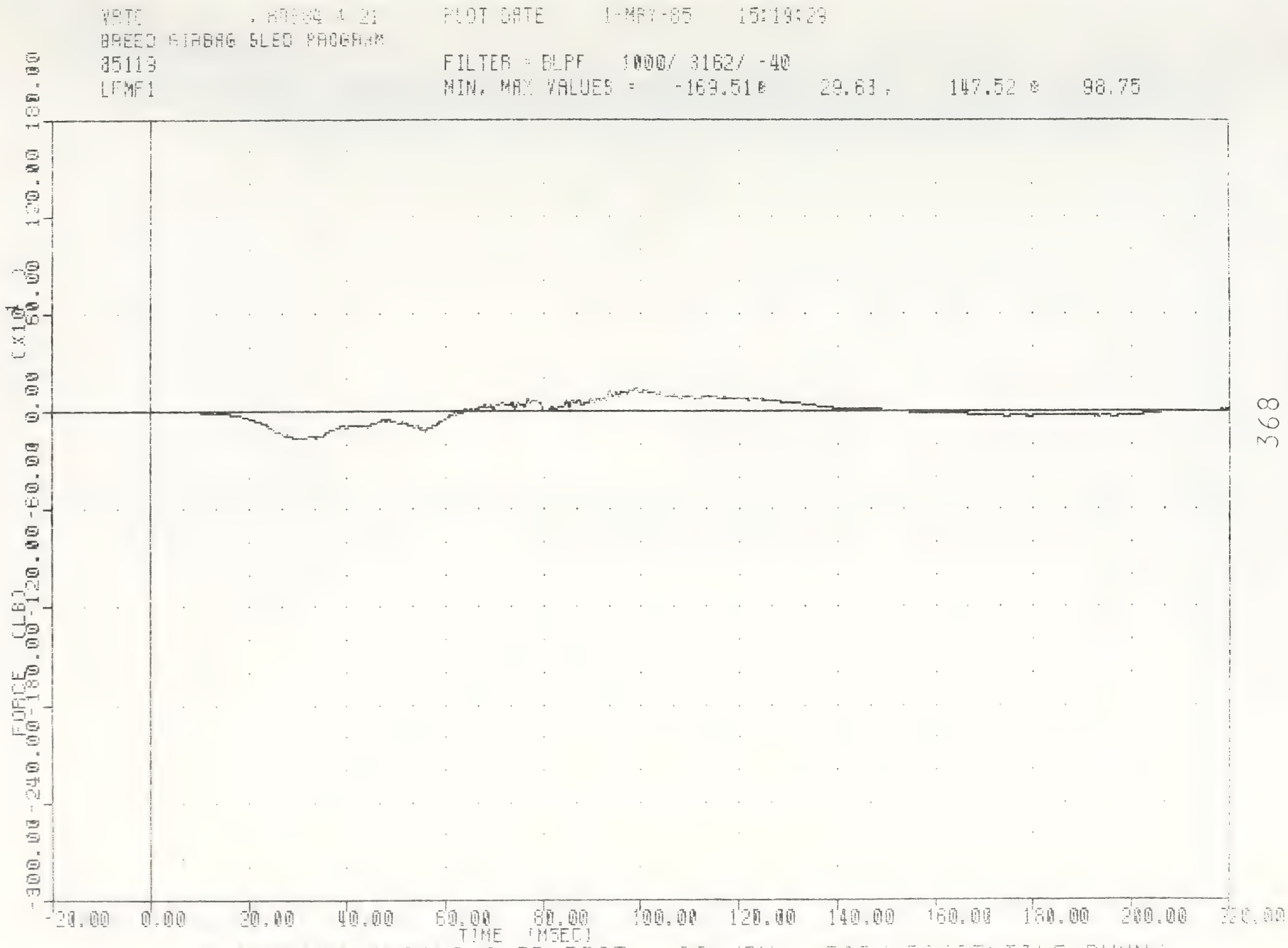
VRTC . MPCAU-8-31 PLOT DATE : MAY-85 14:19:29
GABED AIRBAG SLED PROGRAM
85119 FILTER = BLPF 900/ 949/ -40
FEVYG1 MIN. MAX VALUES = -3.77@ 47.13 , 7.64 @ 106.38



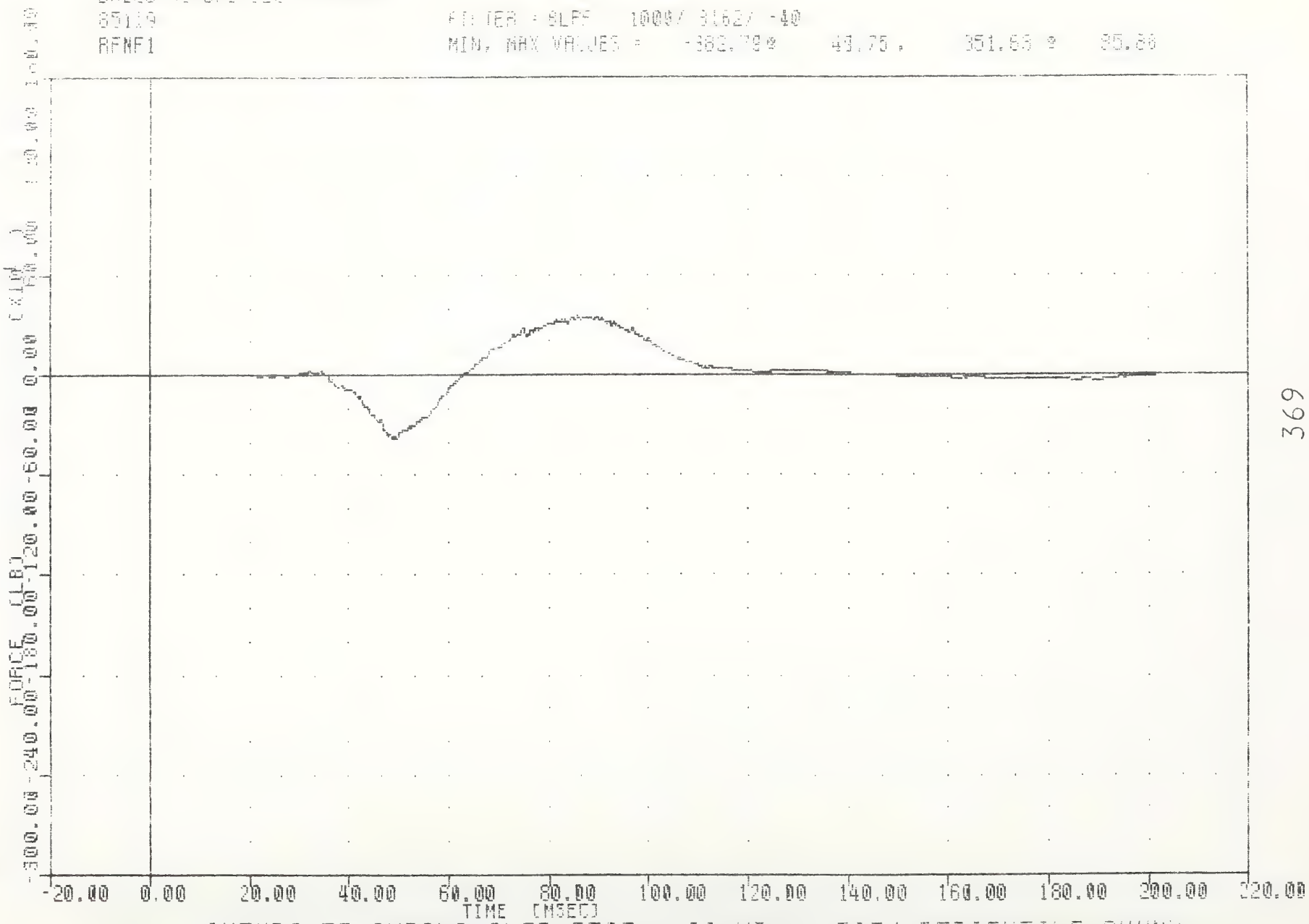
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS



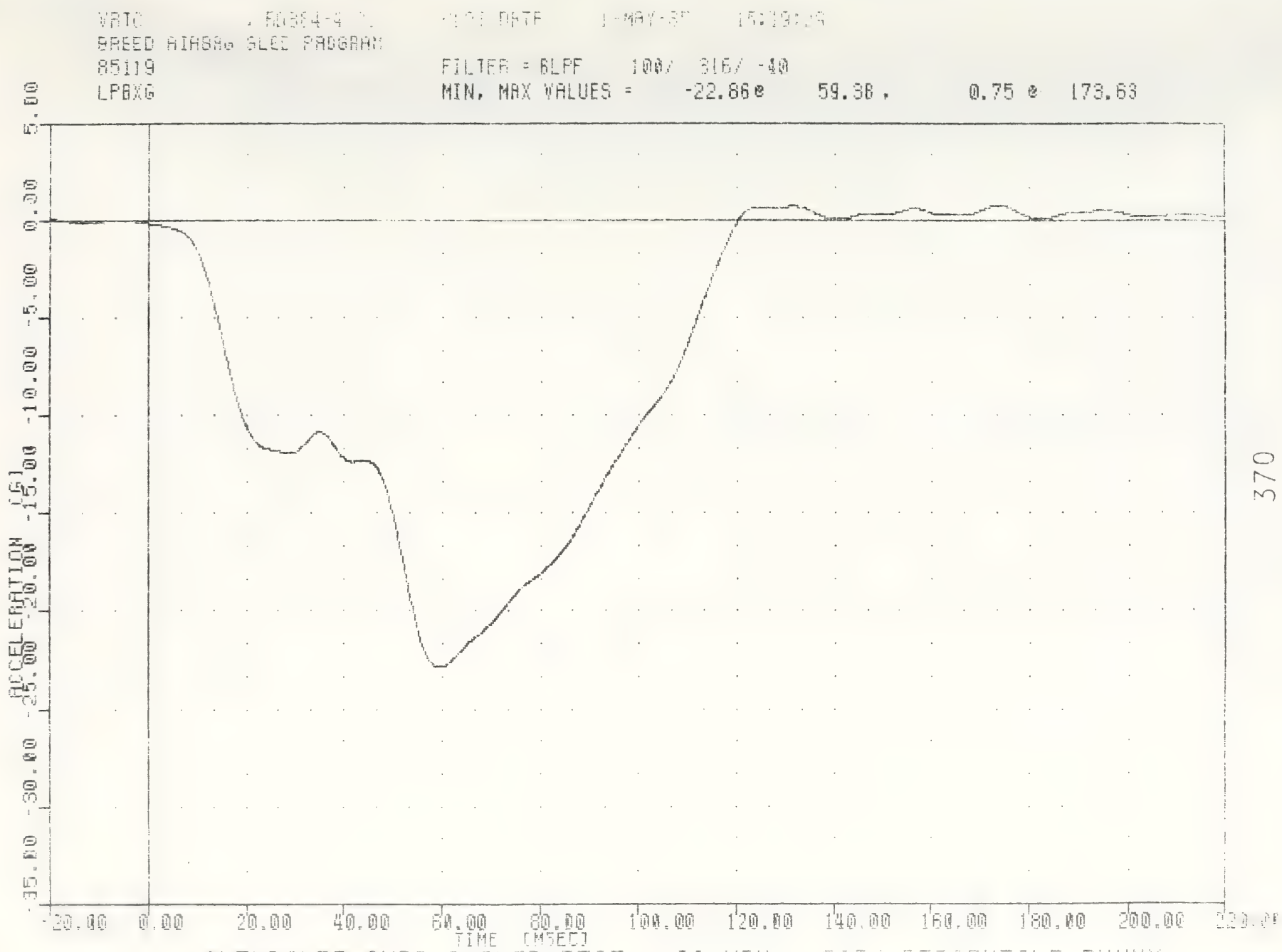
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY


VRTC , A0584 4 21
BREED AIRBAG SLED PROGRAM
85113
LFMF1
PLOT DATE 1-MAY-85 15:19:29
FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -169.51@ 29.63, 147.52 @ 98.75
FORCE (LB)
(X10)
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

368

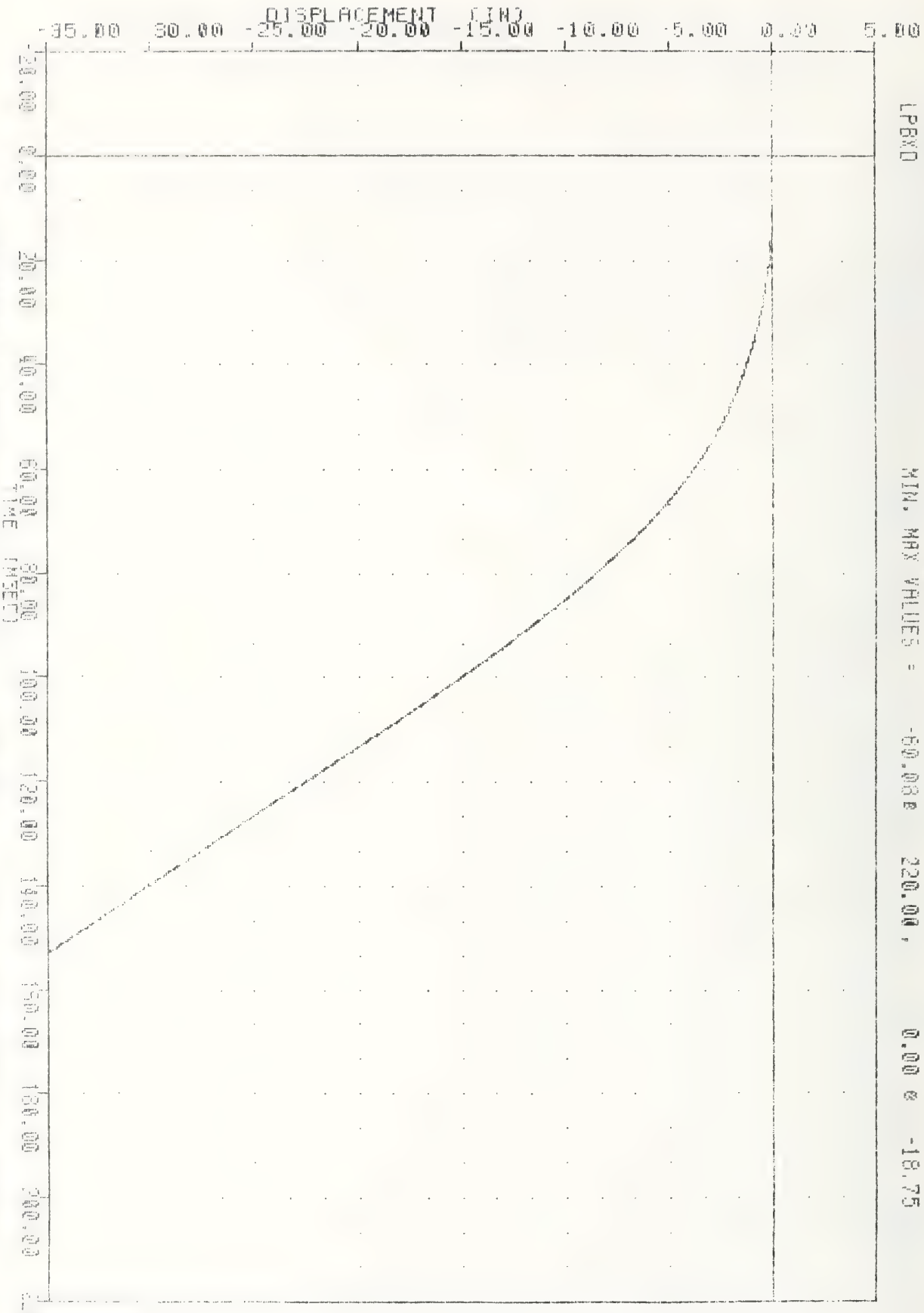


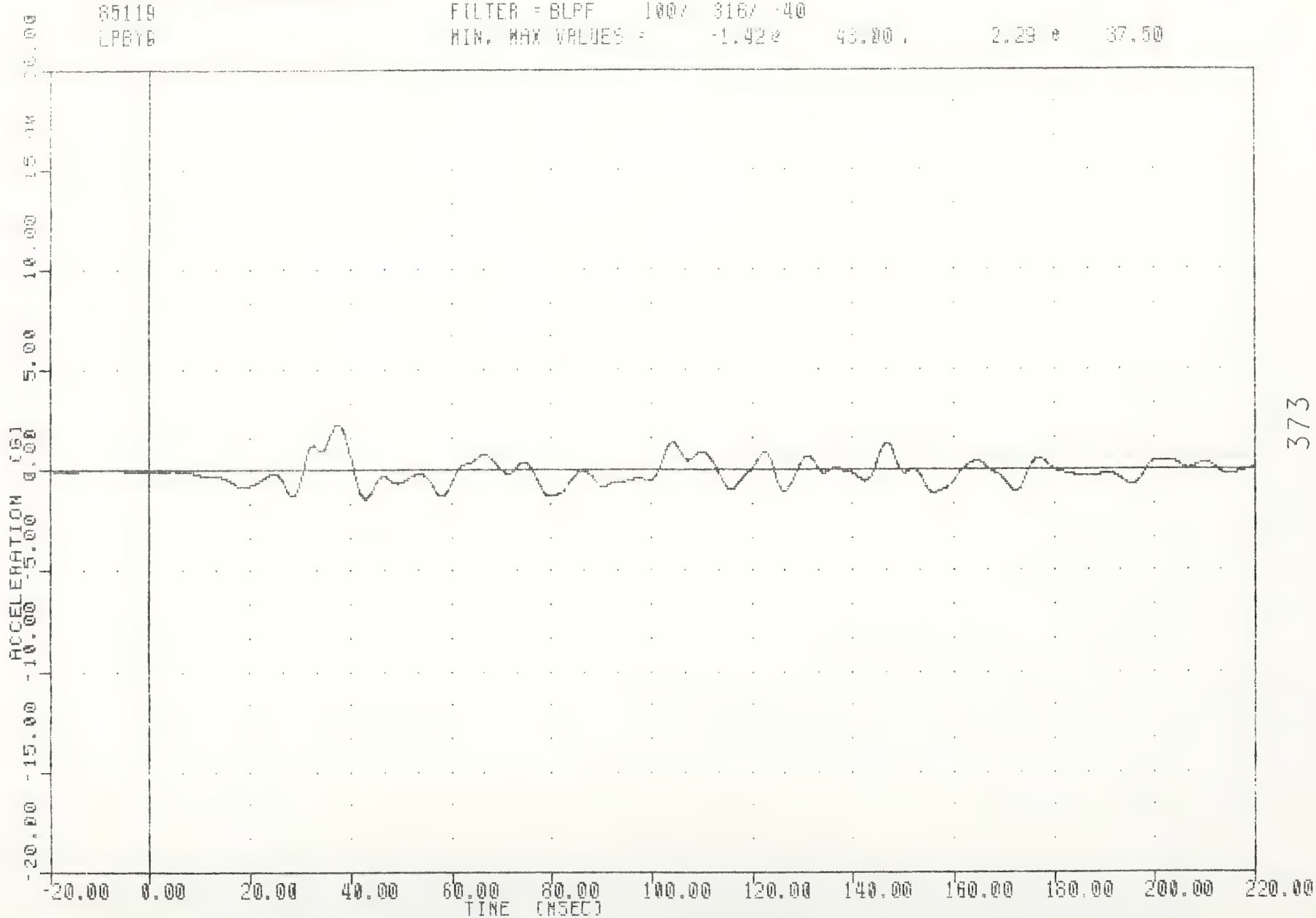
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE



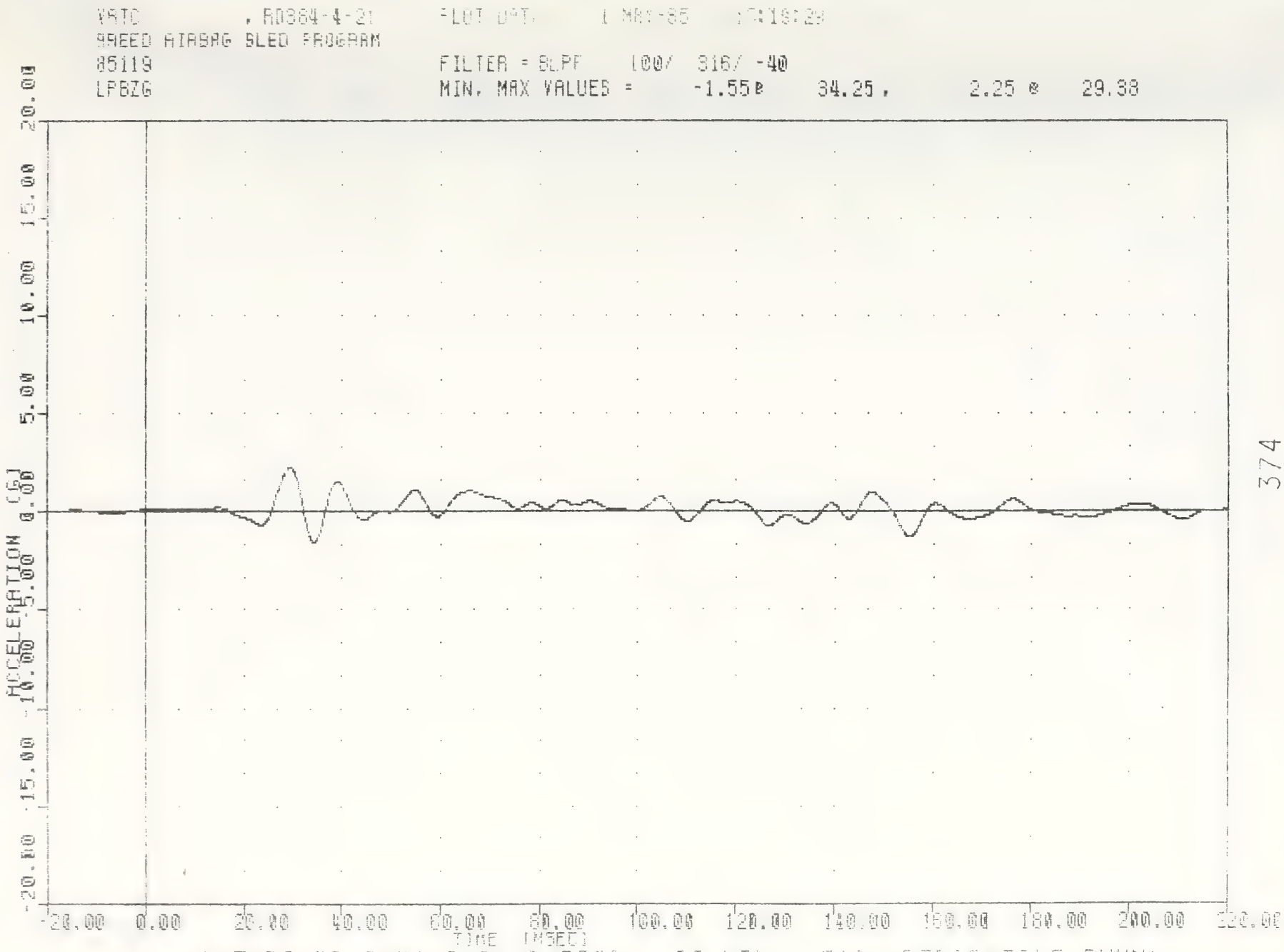
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT H ACCELERATION X AXIS

VELOCITY (MPH)
-40.00 -35.00 -30.00 -25.00 -20.00 -15.00 -10.00 -5.00 0.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBYG
FILTER = BLPF 300/ 949/ 40
MIN. MAX VALUES = -31.72 117.50 0.00 -20.00

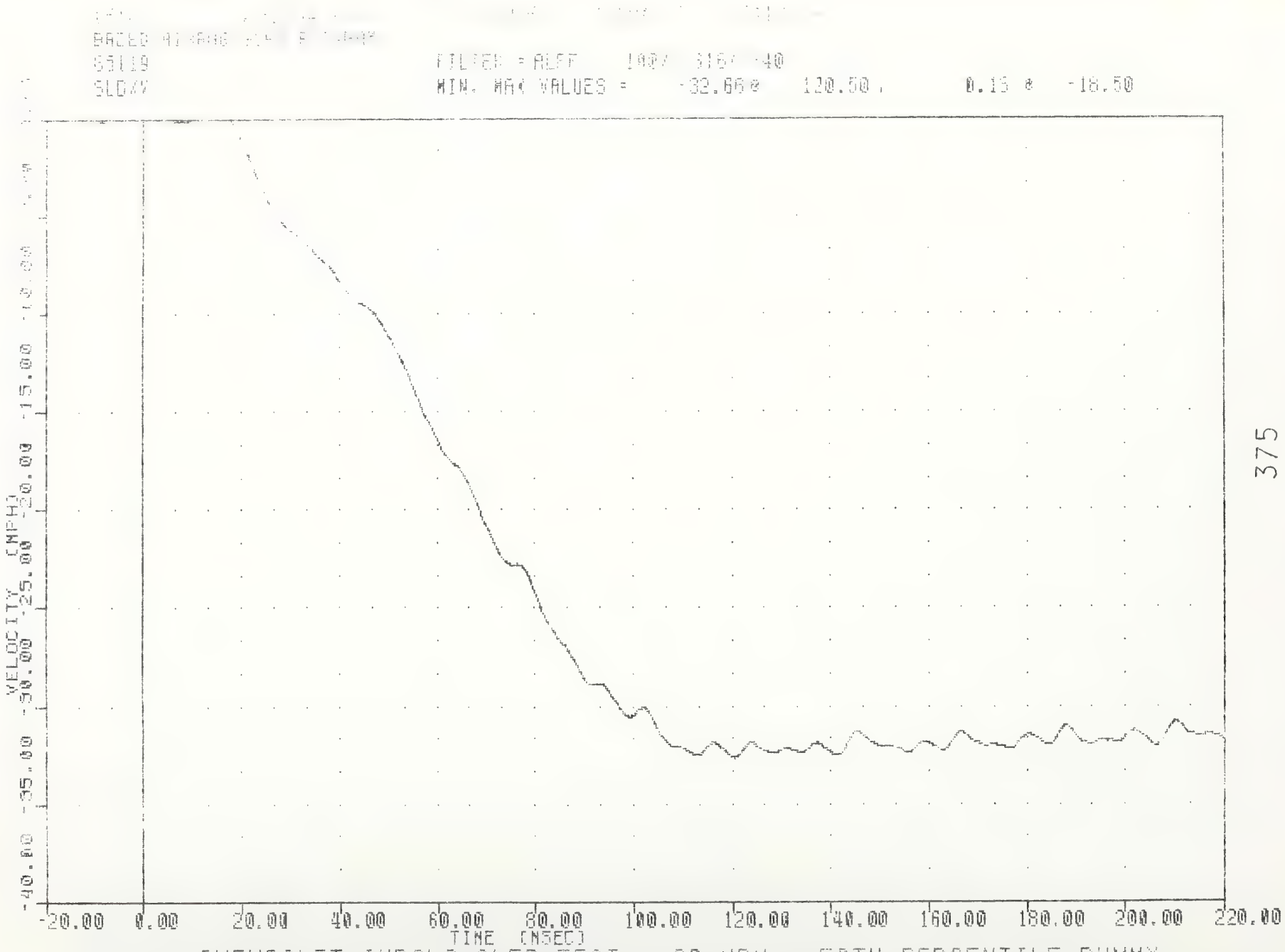

DISPLACEMENT (IN)
-35.00
30.00
-25.00
-20.00
-15.00
-10.00
-5.00
0.00
5.00
BREED PIGGAG SLED FAUGAAR
BD119
LPBXD
MIN, MAX VALUES = -60.08 @ 220.00 , 0.00 @ -18.75
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00



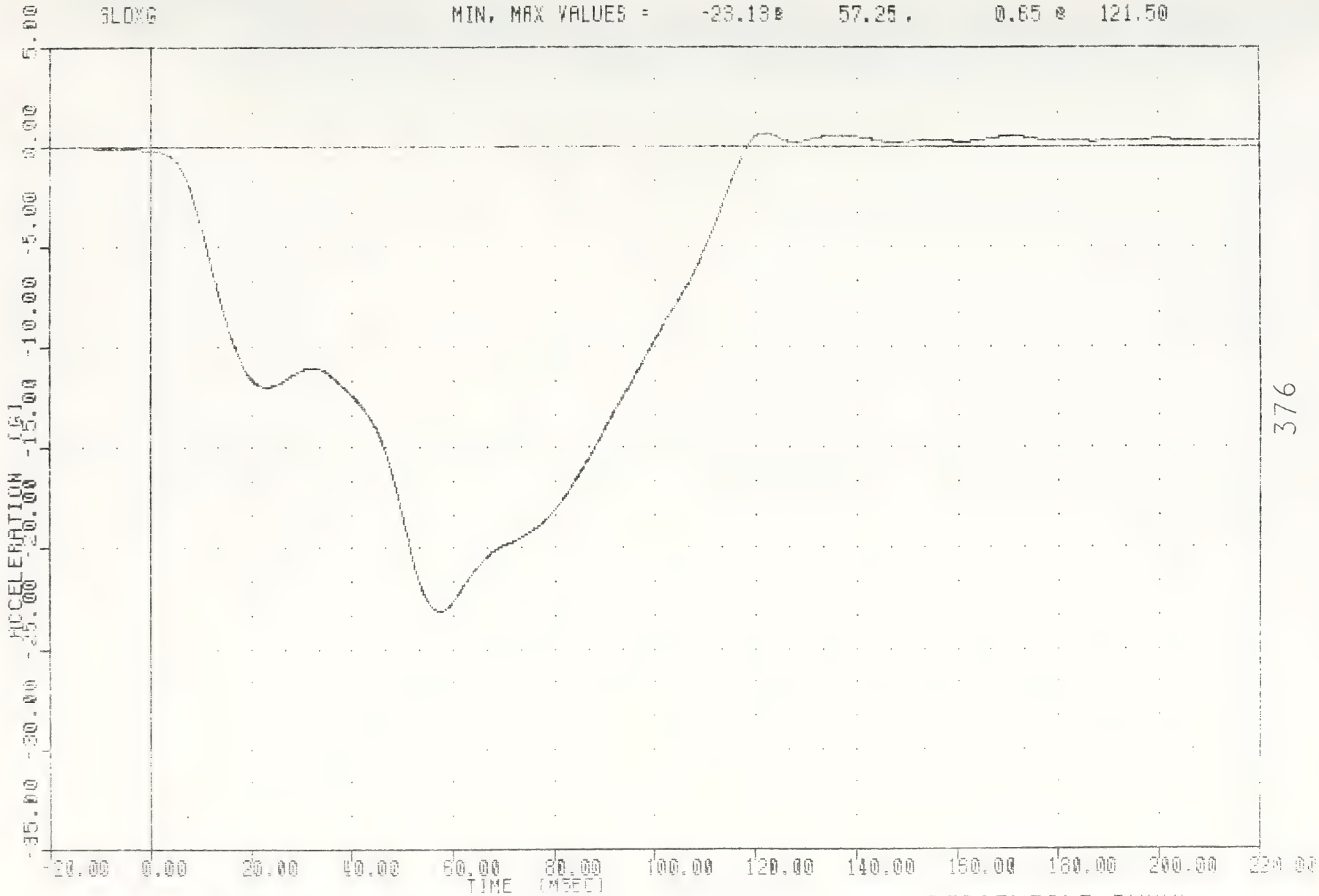
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS


VRTC , R0364-4-21
SPEED AIRBAG SLED PROGRAM
85119
LPBZG
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.55 @ 34.25 , 2.25 @ 29.38
ACCELERATION [G]
20.00
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME [MSEC]

374

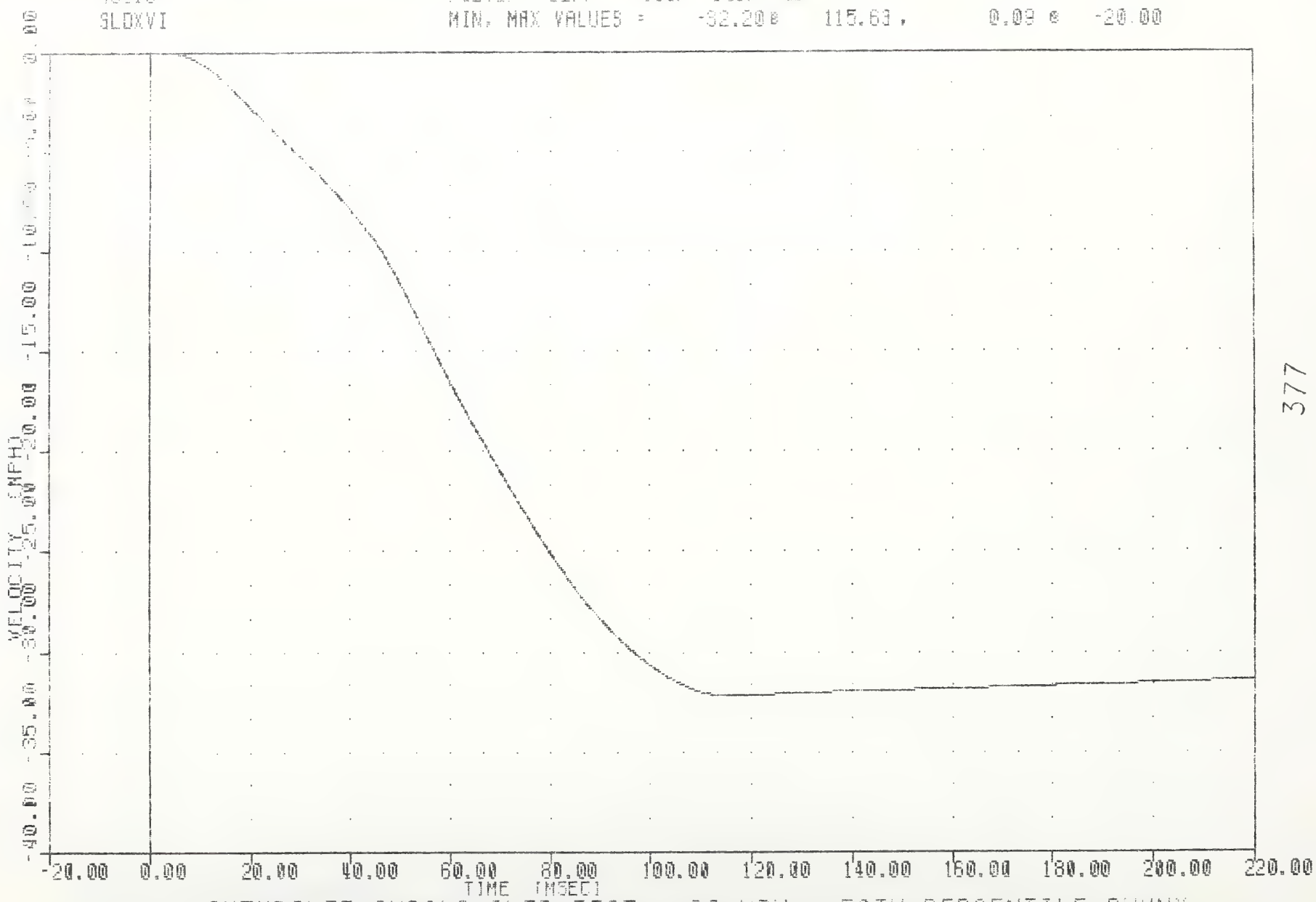


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

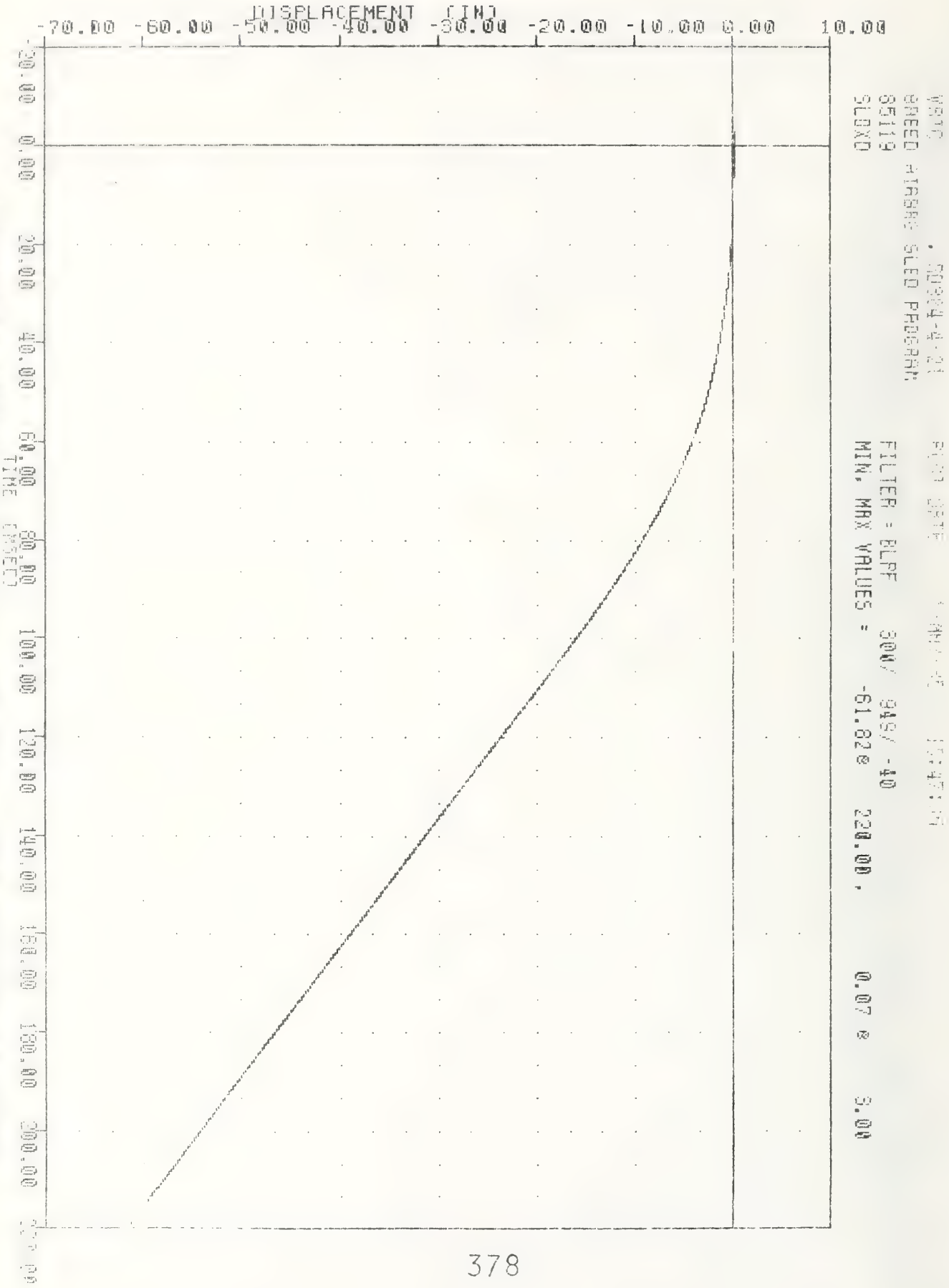


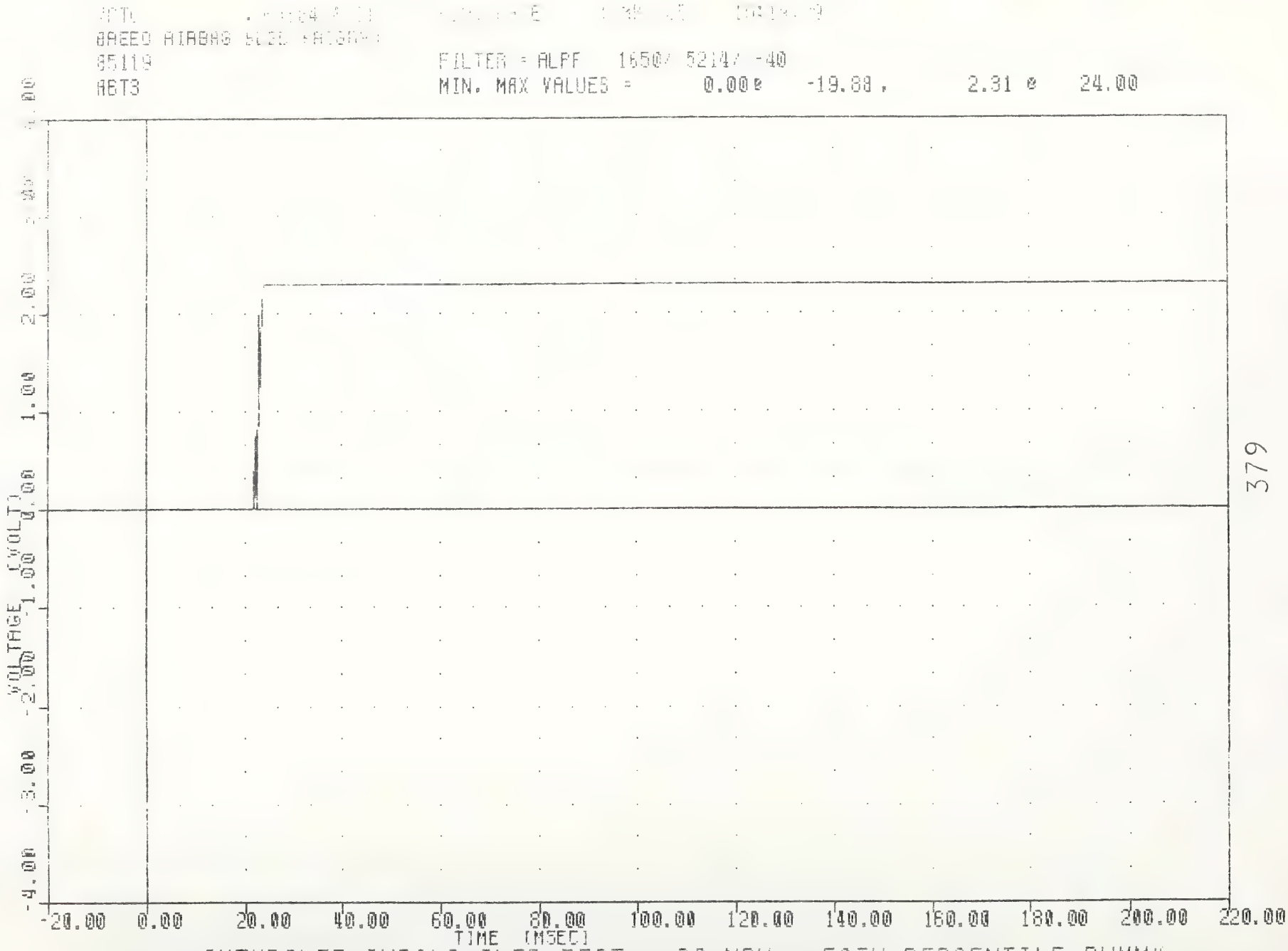
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

(-X ACCELERATION)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY

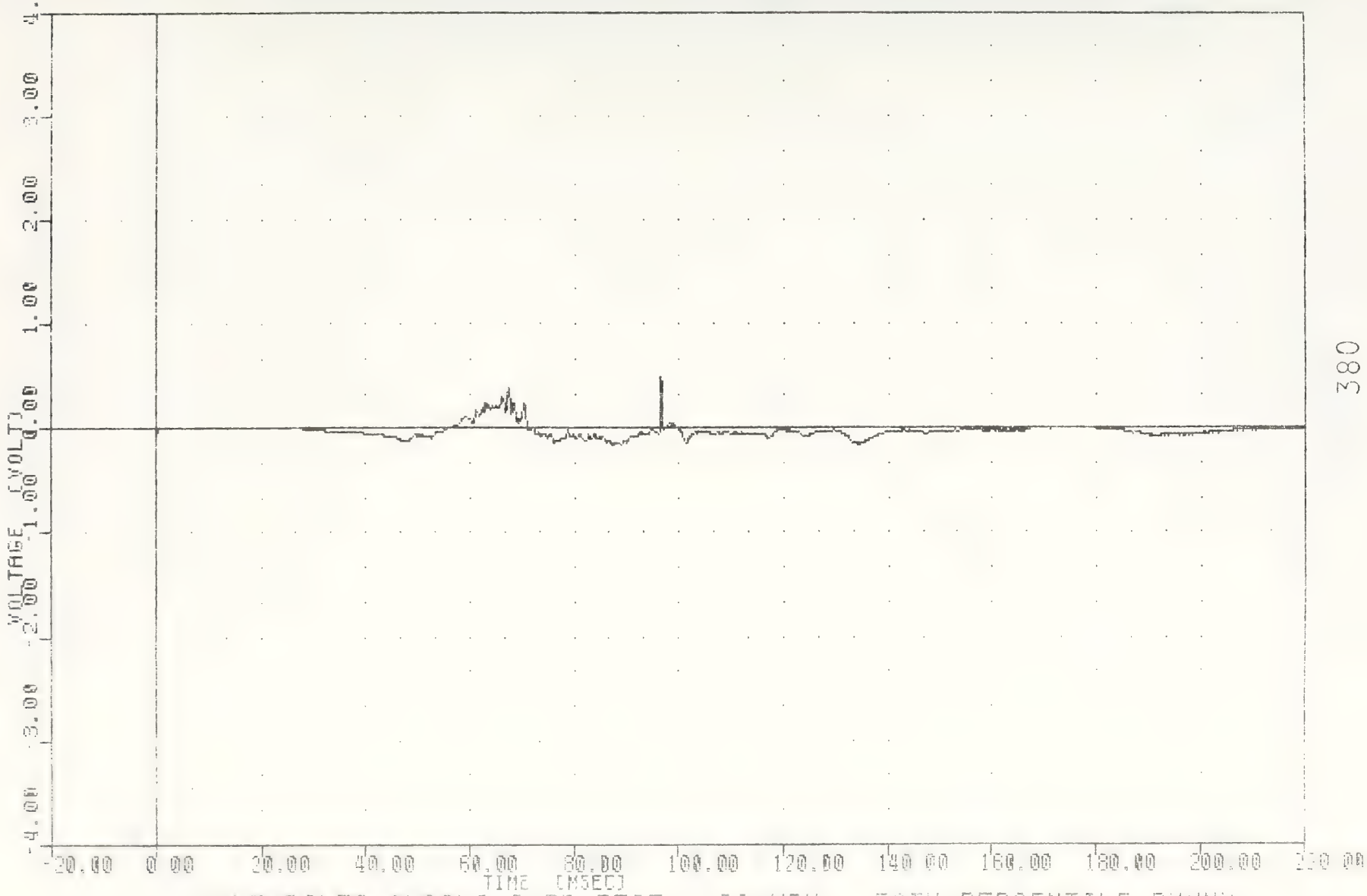

DISPLACEMENT [IN]
-70.00 -60.00 -50.00 -40.00 -30.00 -20.00 -10.00 0.00 10.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME [MSEC]
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -61.82@ 220.00, 0.07@ 3.00
SLOXD



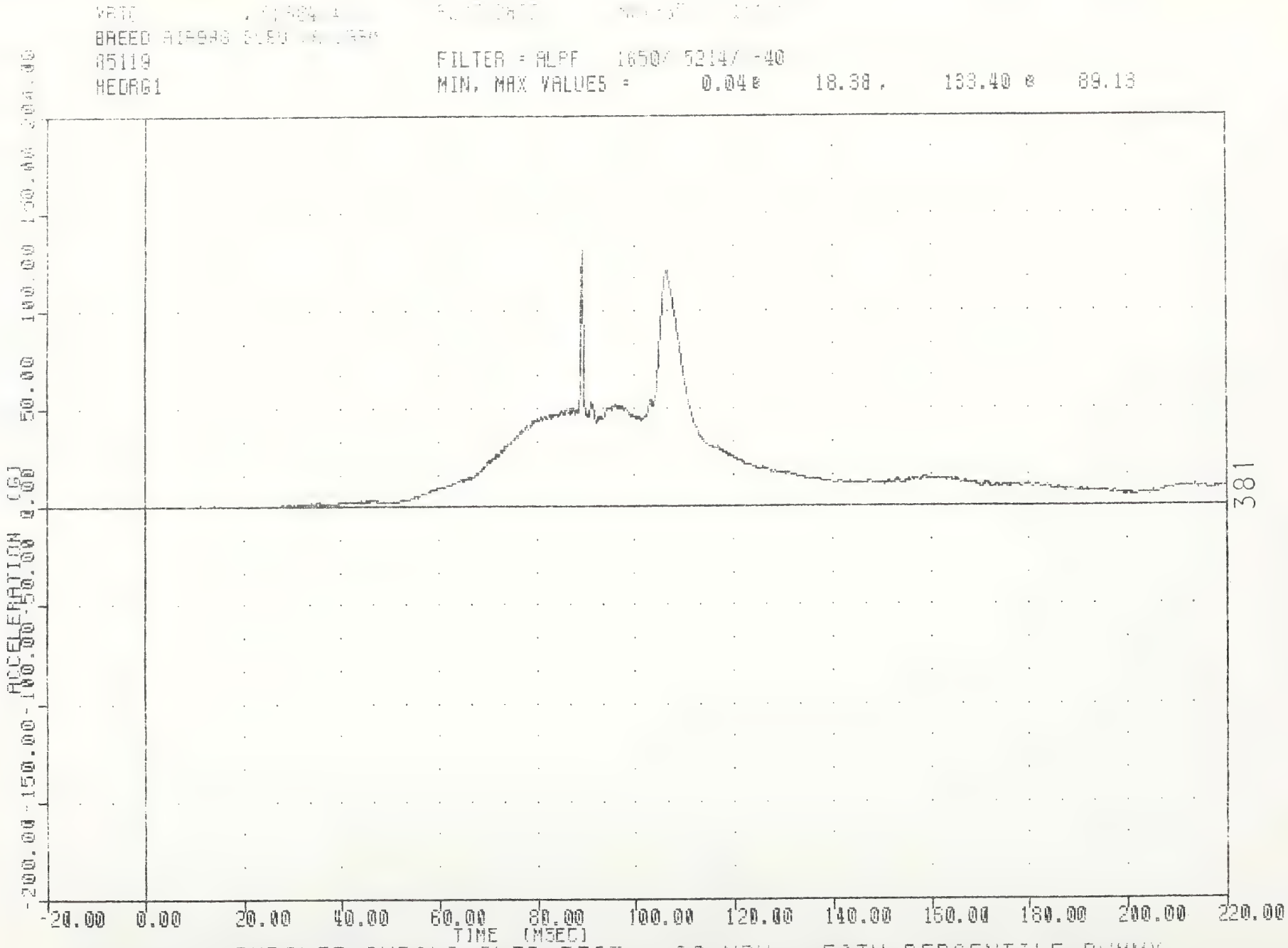
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

BREED A-PILLAR SENSOR

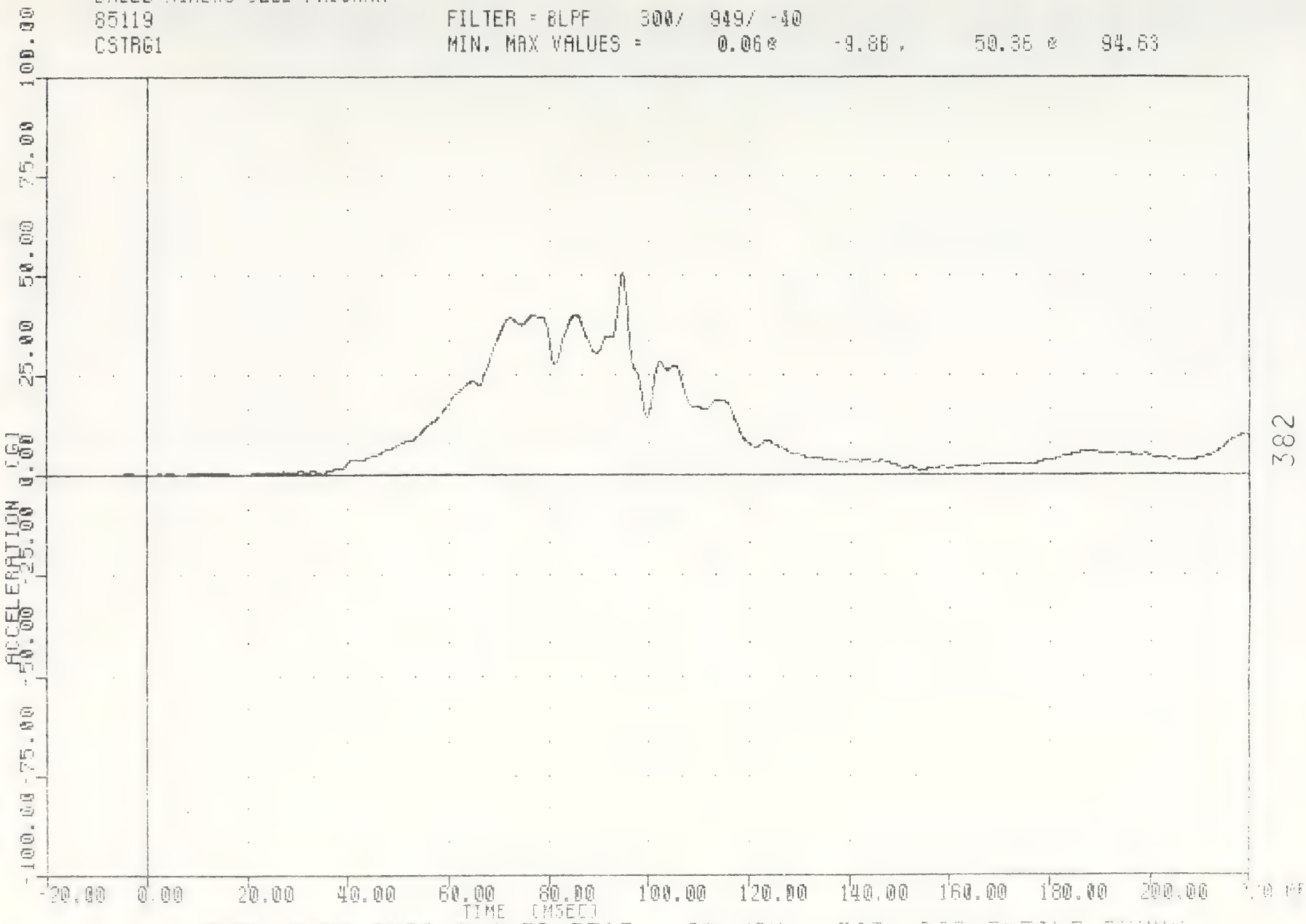
VRTC , RD584-4-21 PLOT DATE 1-MAY-85 15:19:28
BREED AIRBAG SLED PROGRAM
85119 FILTER = ALPF 1650/ 5214/ -40
ABT4 MIN, MAX VALUES = -0.16@ 89.00 , 0.49 @ 96.50



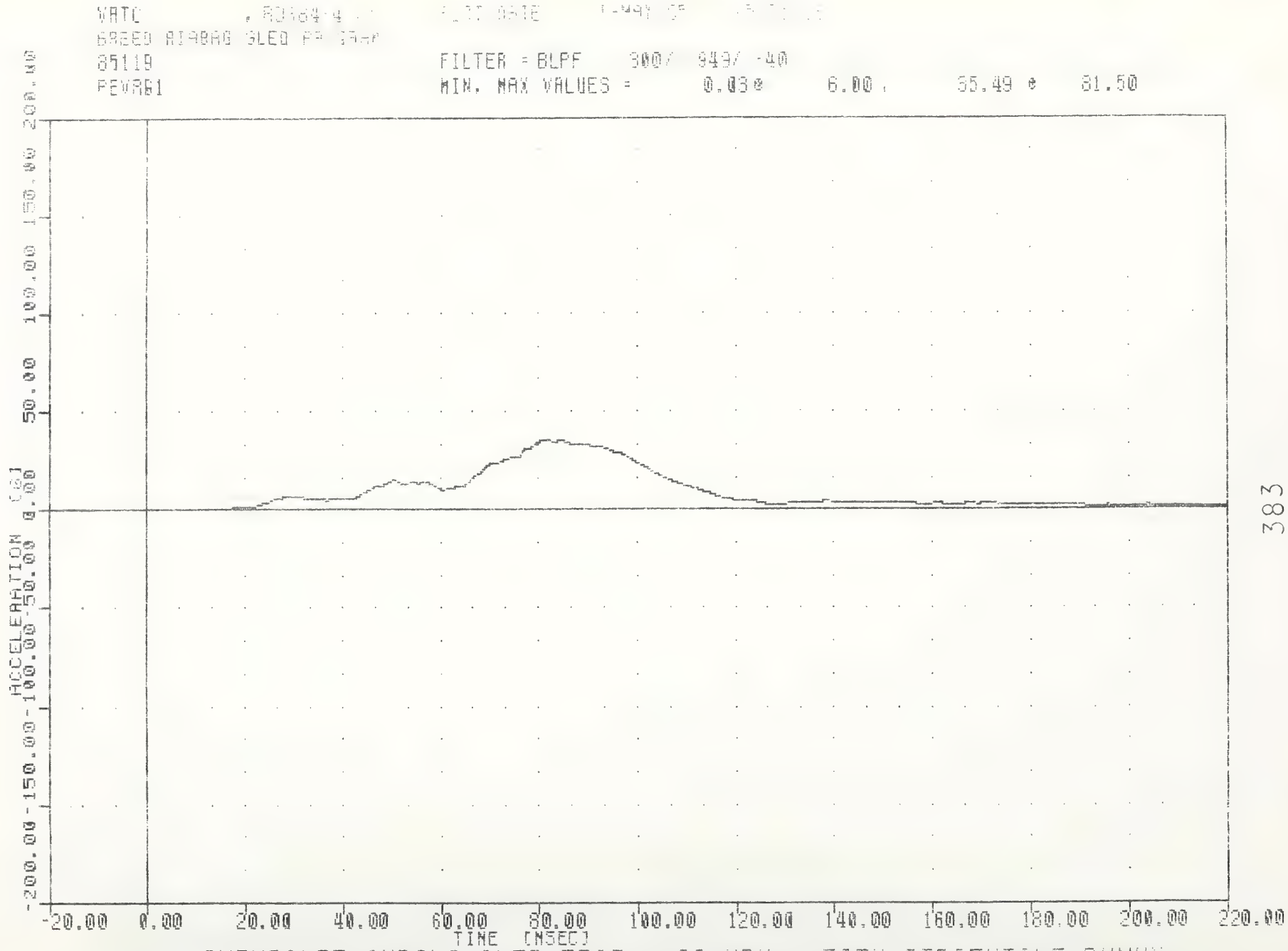
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

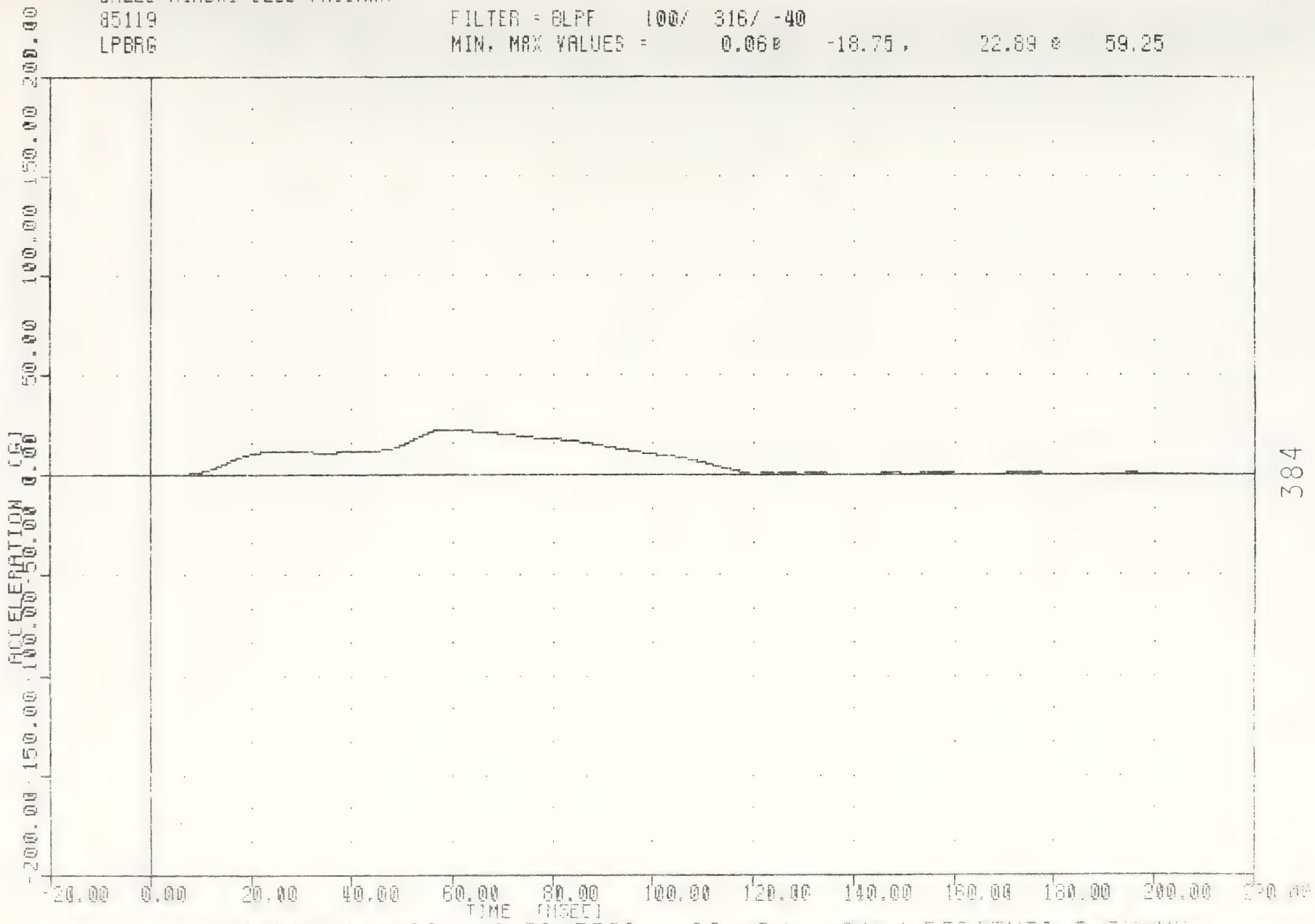


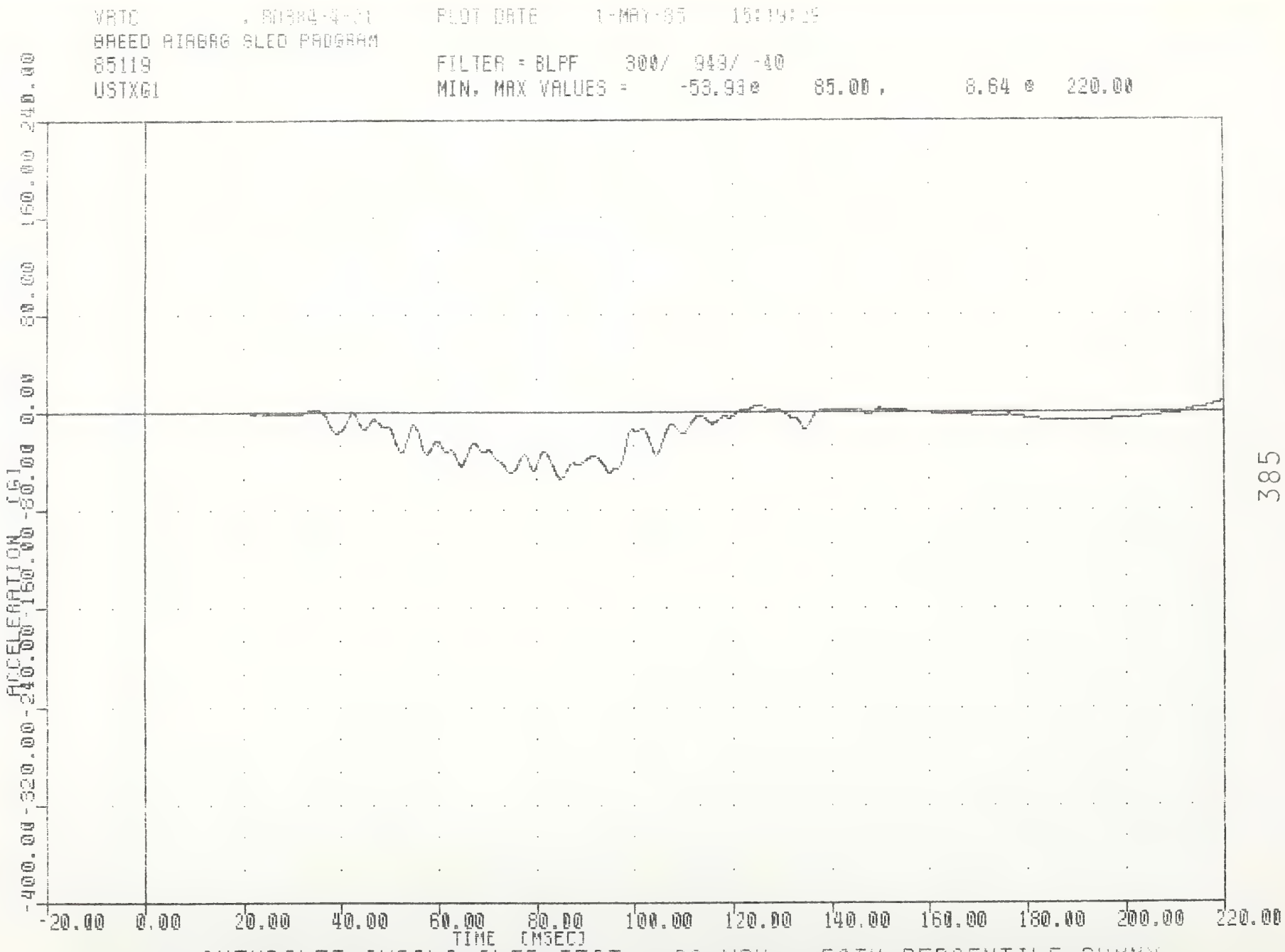
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



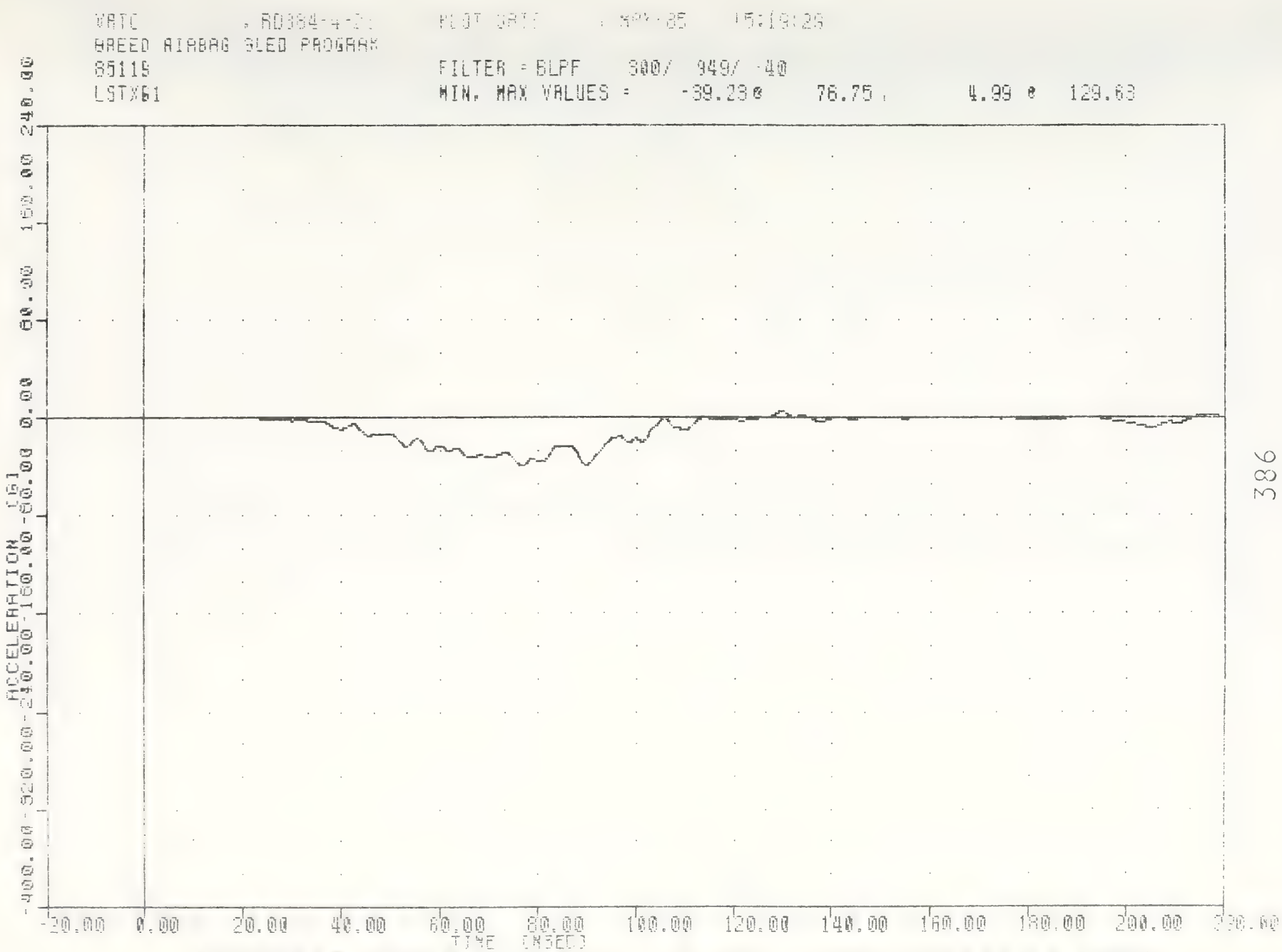
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC . R0354-4-21 PLOT DATE 1-MAY-85 15:25:18
BREED AIRBAG SLED PROGRAM
85119 FILTER = BLPF 100/ 316/ -40
LPBRG MIN. MAX VALUES = 0.06@ -18.75 , 22.89 @ 59.25





CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION Y AXIS



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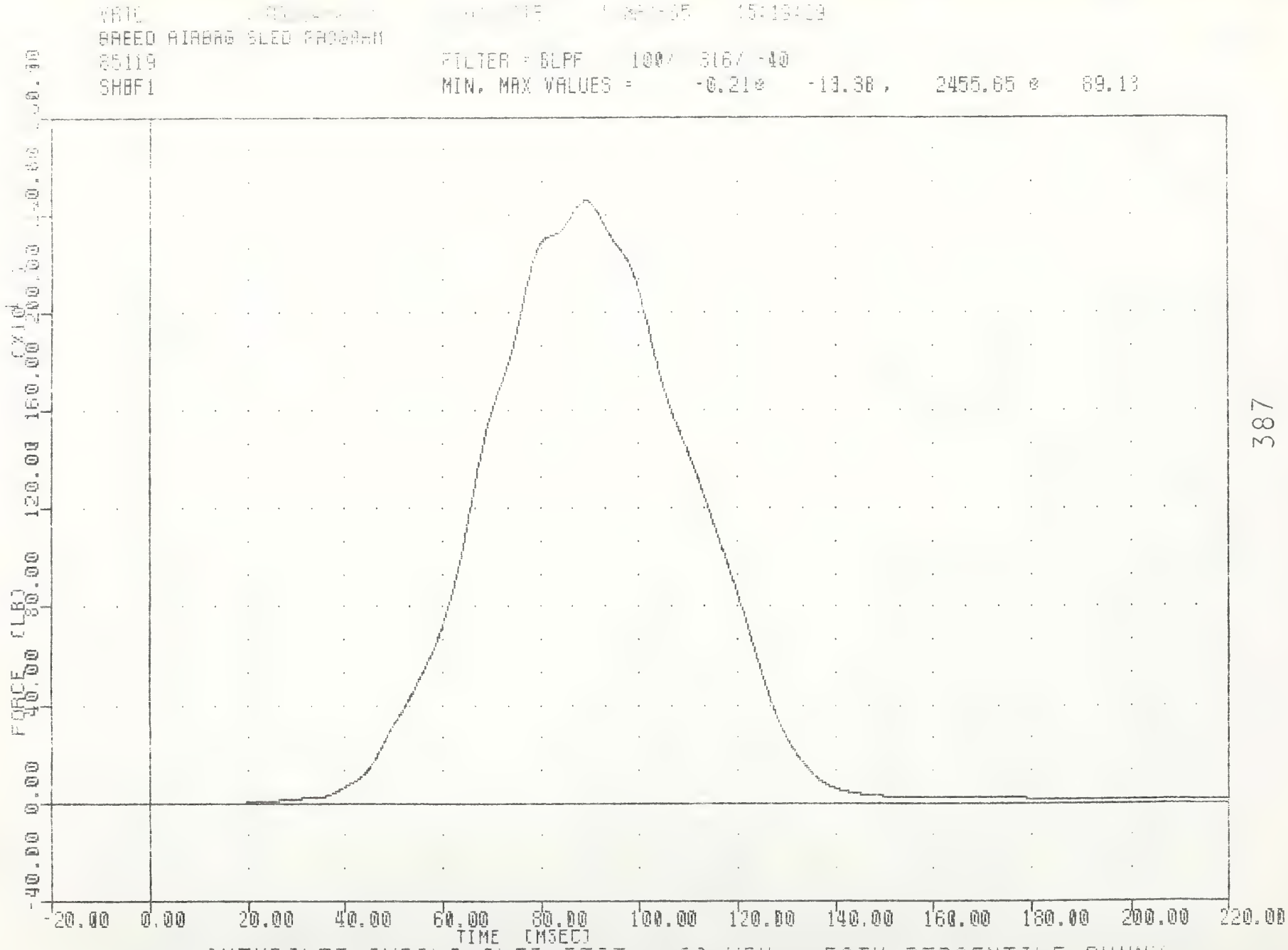
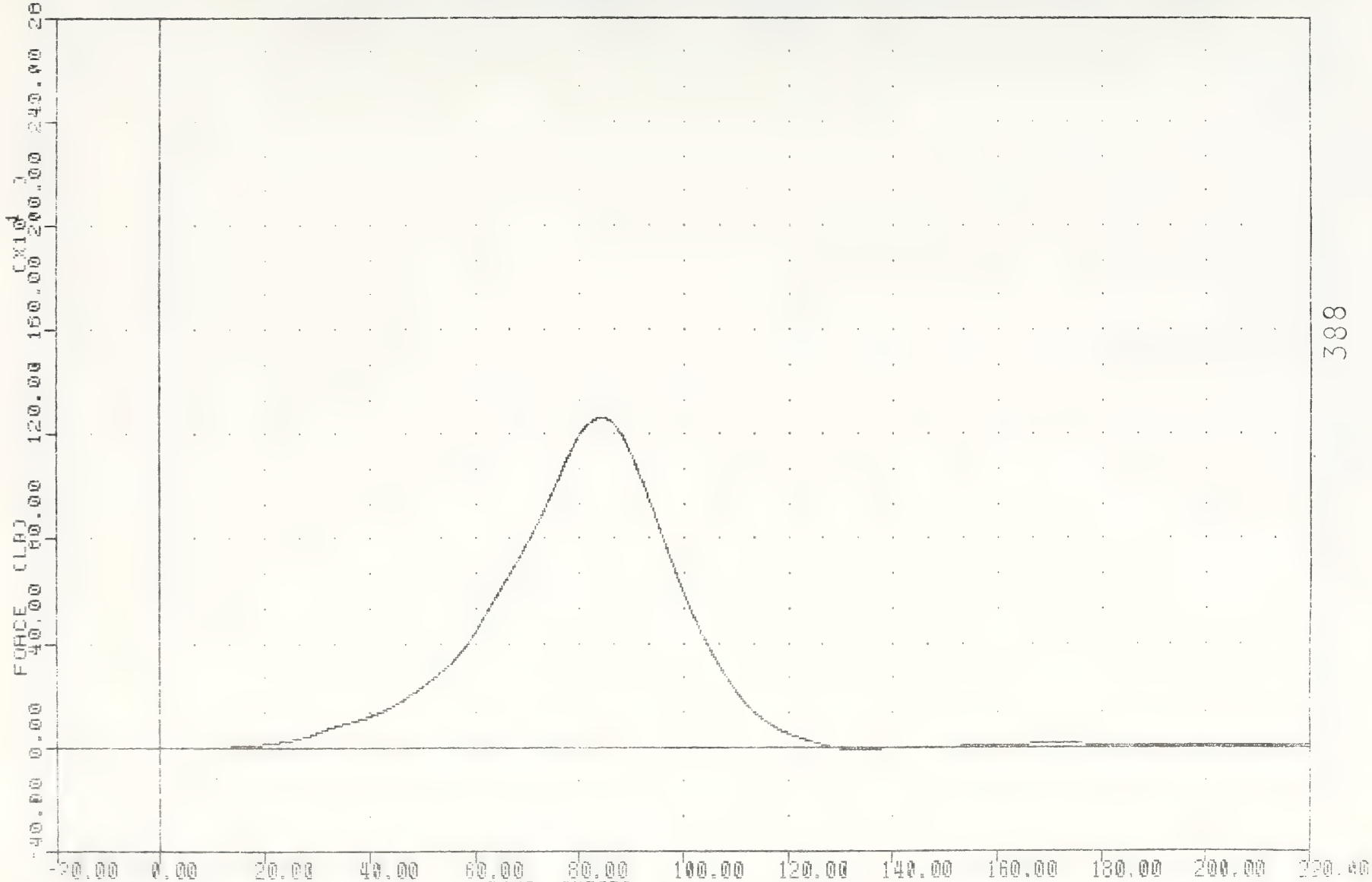
CHEVROLET [illegible] 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VATC , 80364-4-21 [illegible] DATE [illegible] MAR [illegible] 15:19:29
BREED AIRBAG SLED PROGRAM
85119 FILTER = BLPF 100/ 316/ -40
L00F1 MIN, MAX VALUES = -10.78@ 132.88, 1261.58@ 84.25



CHEVROLET AIRBAG SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
[illegible] BELT FORCE [illegible]

TRC429P.RAD;1
VRTC RD384-4-22 BREED AIRBAG SLED PROGRAM 1-MAY-85 13:27
85121 30.00 mph

		Min value		Max value		Data Units	Filter
1	EVENT	0.039 @	79.000	1.601 @	-18.000 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.813 @	119.875	0.141 @	-18.875 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.270 @	56.875	0.950 @	121.500 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-138.929 @	82.375	7.863 @	78.750 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-12.981 @	128.375	14.092 @	108.875 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-28.397 @	82.375	67.073 @	99.000 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-80.485 @	88.375	1.414 @	211.625 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-9.753 @	88.000	10.267 @	131.000 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-2.337 @	99.500	27.432 @	110.125 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-290.549 @	85.625	215.151 @	89.000 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-147.688 @	71.500	58.157 @	90.875 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-47.070 @	84.875	6.574 @	112.250 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-5.615 @	52.750	6.009 @	81.250 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-31.788 @	88.375	6.646 @	133.500 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-285.969 @	36.250	146.897 @	93.125 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-498.783 @	52.375	364.806 @	85.375 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-23.287 @	59.625	1.243 @	122.375 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-2.555 @	82.000	3.005 @	45.500 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-1.230 @	32.750	2.283 @	28.375 msec	g	BLPF 100/ 316/ -40
20	LBOF1	-0.392 @	-10.125	1868.990 @	89.625 msec	lb	BLPF 100/ 316/ -40
21	ABT3	-0.024 @	22.375	2.308 @	72.875 msec	volt	ALPF 1650/ 5214/ -40
22	ABT4	-1.871 @	85.250	2.188 @	100.875 msec	volt	ALPF 1650/ 5214/ -40

TRC429IP.RAD;1
VRTC RD384-4-22 BREED AIRBAG SLED PROGRAM 1-MAY-85 13:27
85121 30.00 mph

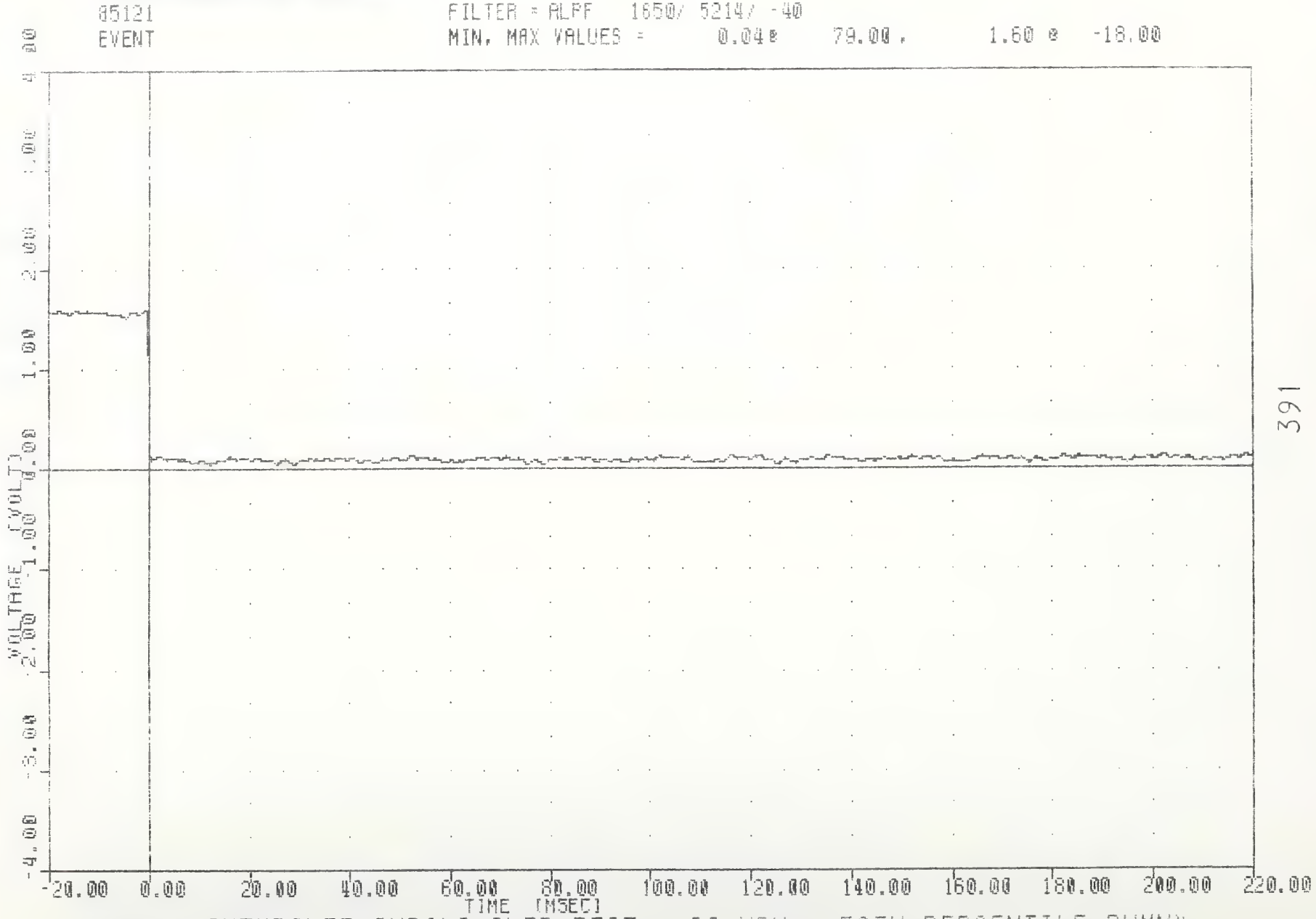
		Min value		Max value		Data Units	Filter
1	HEDXV1	-38.915 @	220.000	3.308 @	82.500 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-48.157 @	220.000	0.682 @	91.250 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-37.854 @	182.250	0.428 @	-7.875 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-52.076 @	220.000	0.512 @	47.875 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-34.796 @	107.375	-0.058 @	-13.250 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-55.355 @	220.000	-0.037 @	-20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-32.427 @	115.000	0.006 @	-20.000 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.333 @	220.000	0.004 @	-13.125 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-31.788 @	115.875	0.007 @	-16.250 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-60.185 @	220.000	-0.001 @	-11.750 msec	in	BLPF 300/ 949/ -40

TRC429RP.RAD;1
VRTC RD384-4-22 BREED AIRBAG SLED PROGRAM 1-MAY-85 13:27
85121 30.00 mph

		Min value		Max value		Data Units	Filter
1	HEDRG1	0.031 @	-7.625	141.831 @	82.375 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.010 @	-16.250	82.147 @	88.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.016 @	-4.875	56.774 @	89.125 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.090 @	-18.625	23.324 @	59.250 msec	g	BLPF 100/ 316/ -40

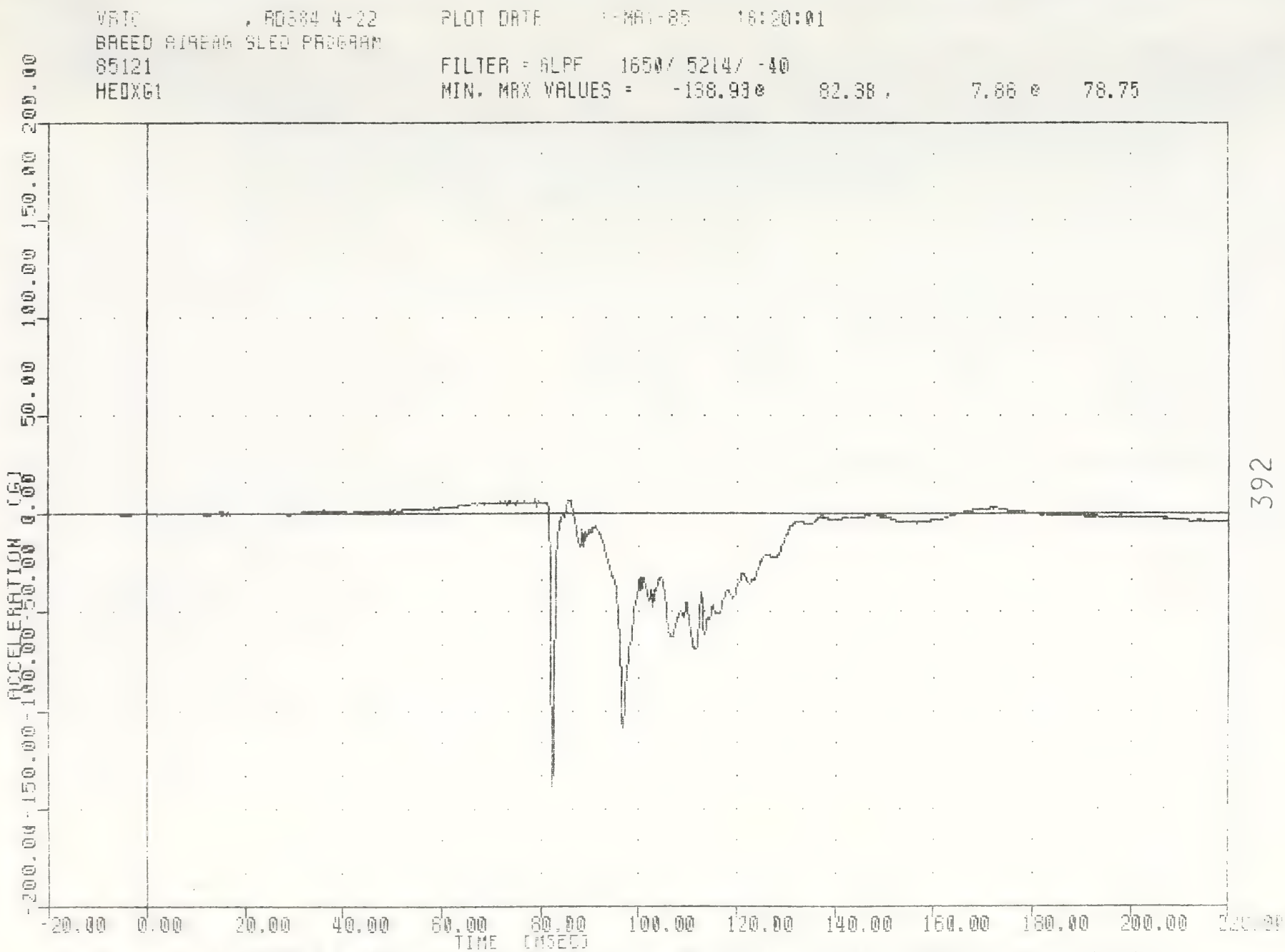
```
                              HEDRG1

 * * *   HIC computation for [SLED.BREED]TRC429RP.RAD;1        1-MAY-85 15:16:35

 HEDRG1      VRTC        RD384-4-22  85121        BREED AIRBAG SLED PROGRAM

    Using time range =   0.000 to 133.125 msec     Peak accel = 141.83 @  82.375

 HIC =  734.20     Interval from  81.750 [ 815] to 124.250 [1155]

 HIC =  490.24     Interval from  96.125 [ 930] to 111.125 [1050]
```

```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC429RP

File TRC429RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-22  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC429RP.RAD;1                              VRTC        RD384-4-22
BREED AIRBAG SLED PROGRAM        30.0 mph      85121          1-MAY-85 15:16:54
Deltax: 0.125

3 MS CLIP PEAK:    72.04016

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```

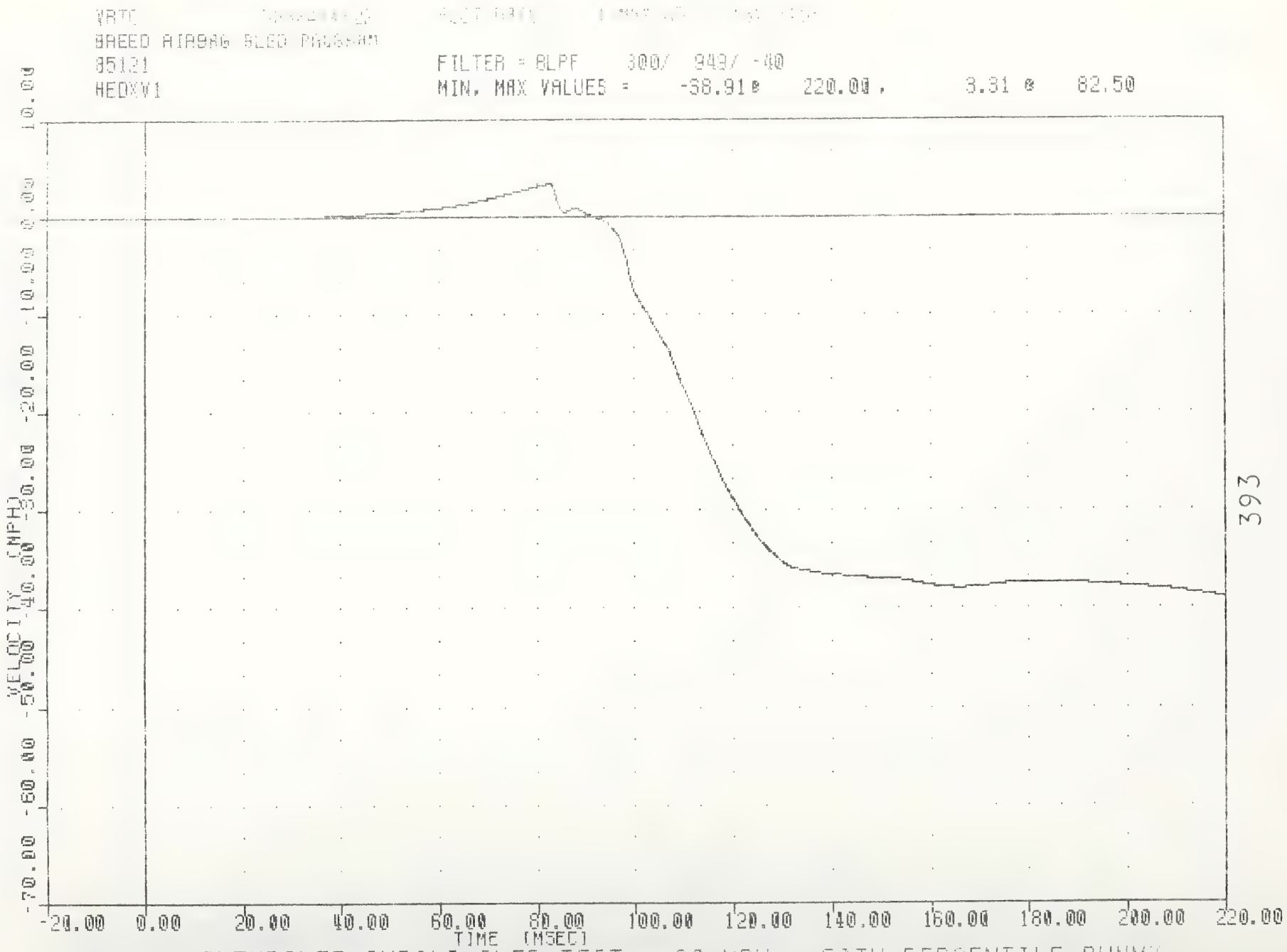


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

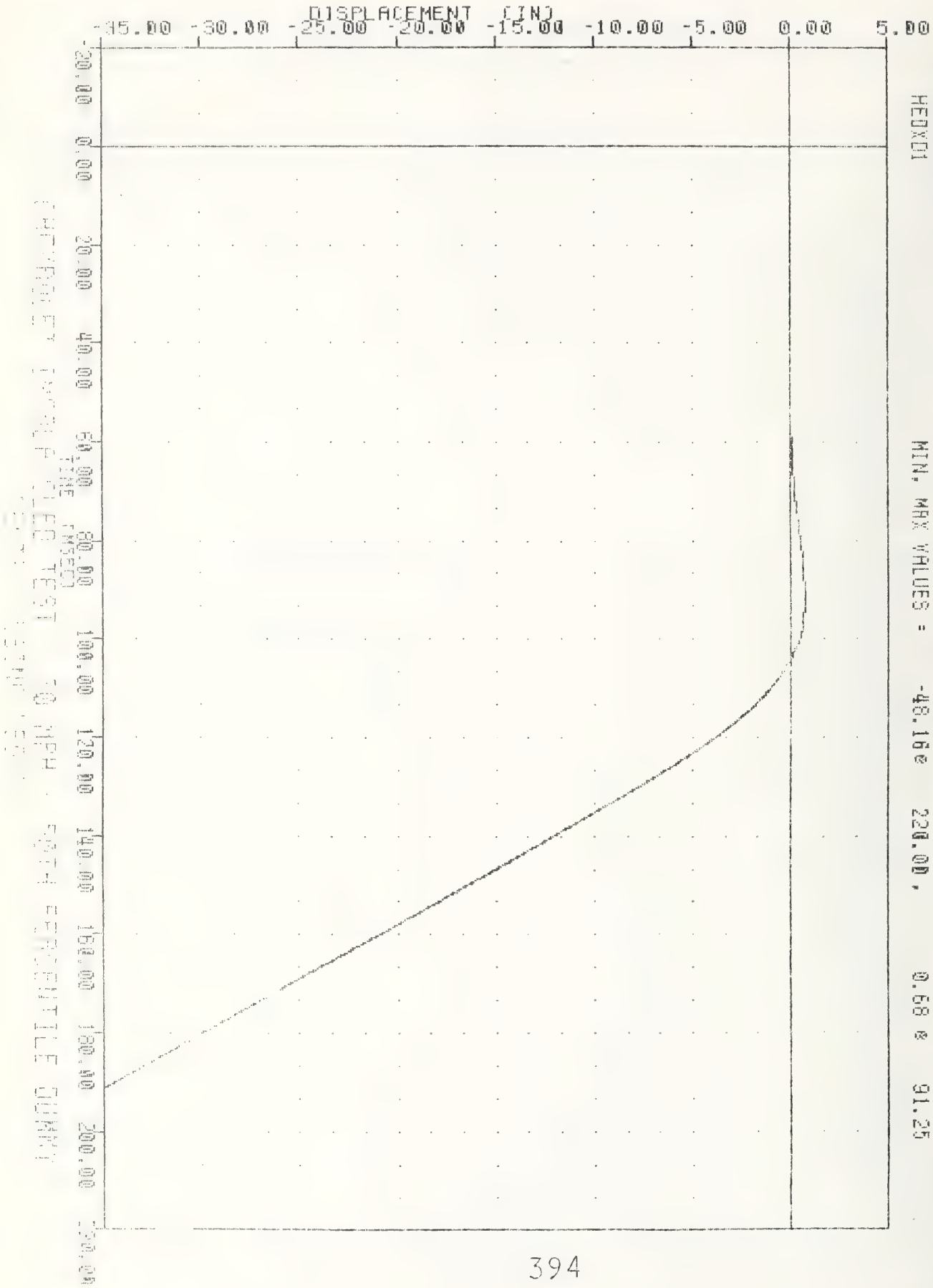
EVENT

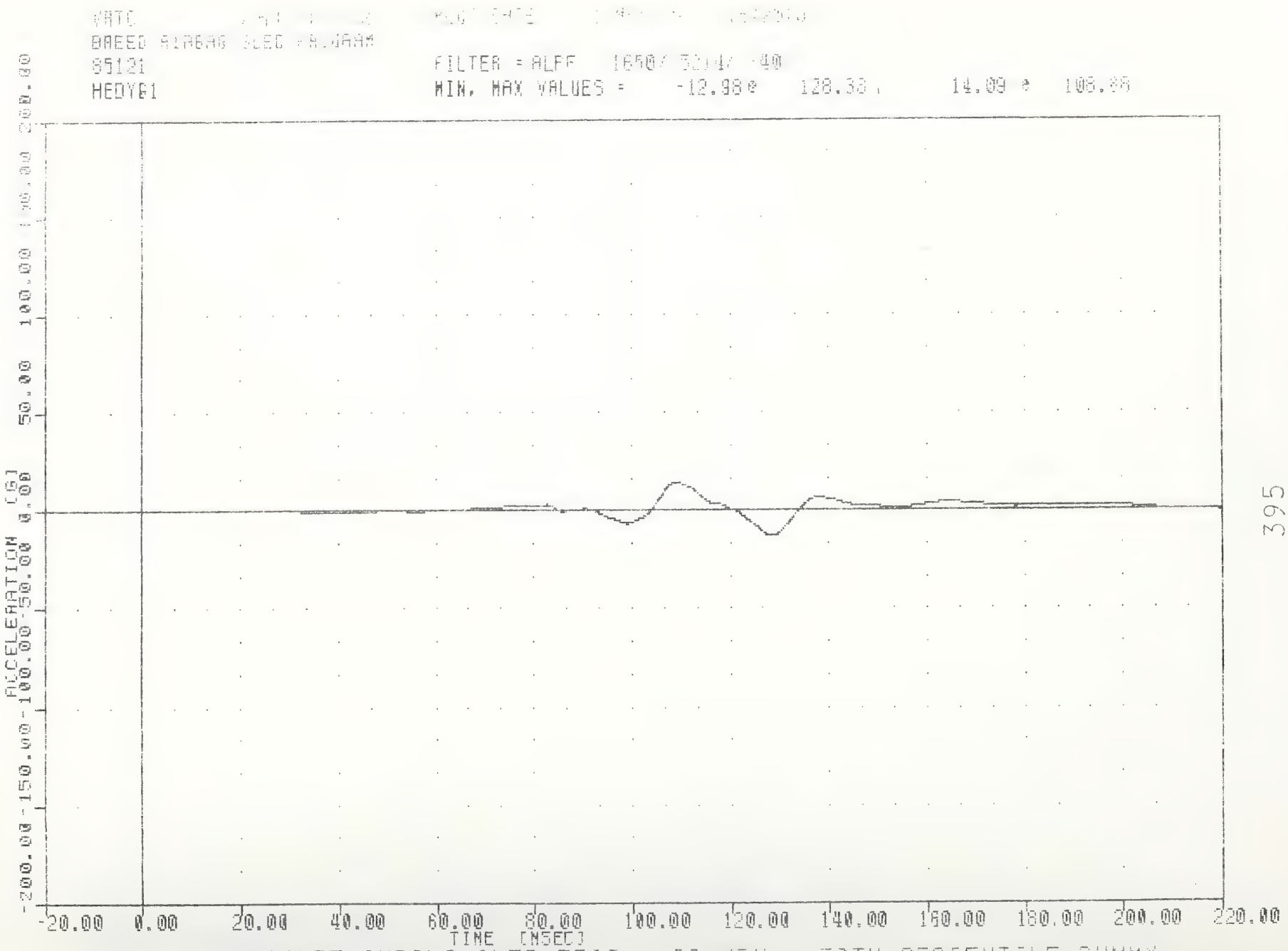


CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY

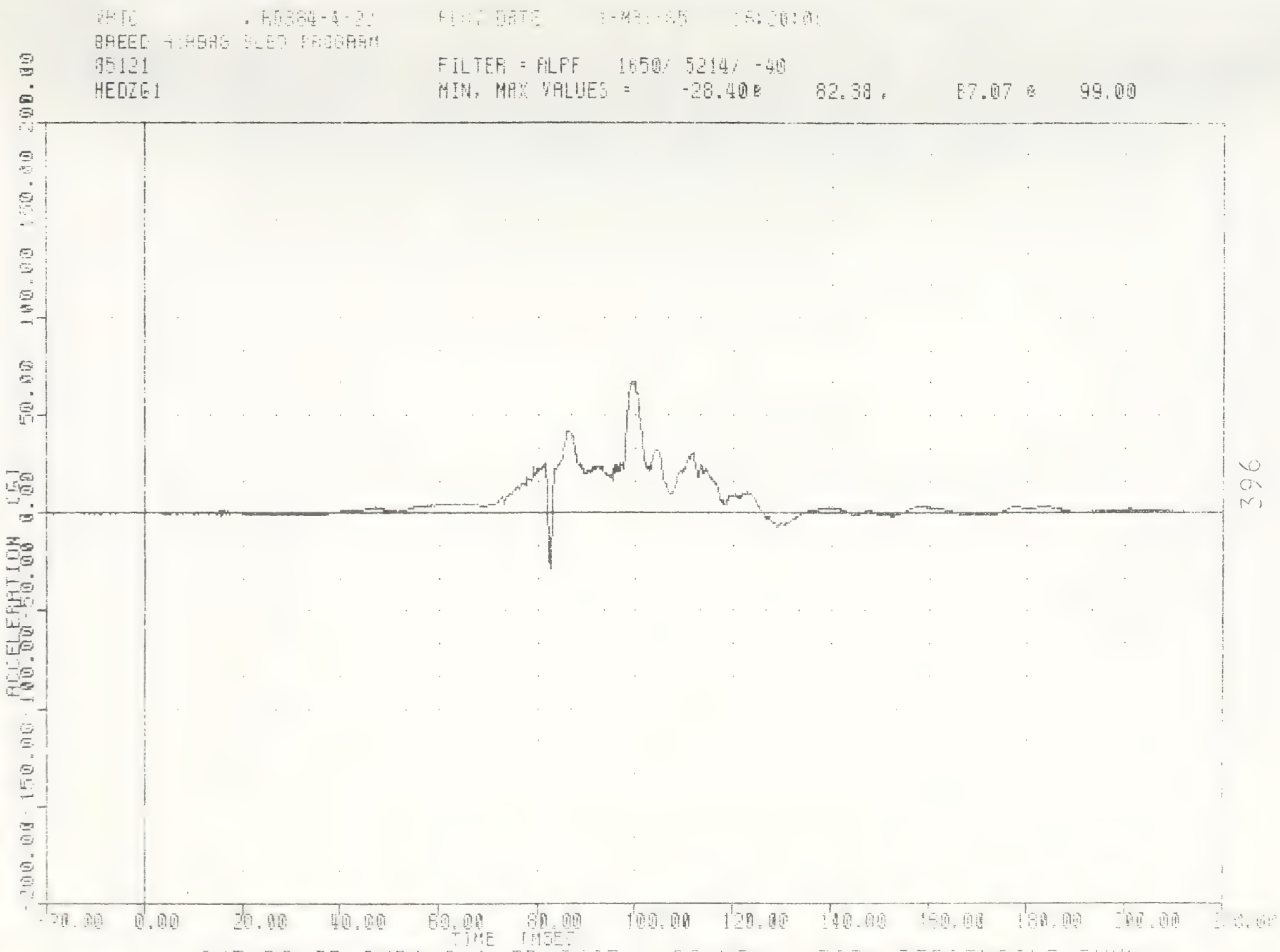


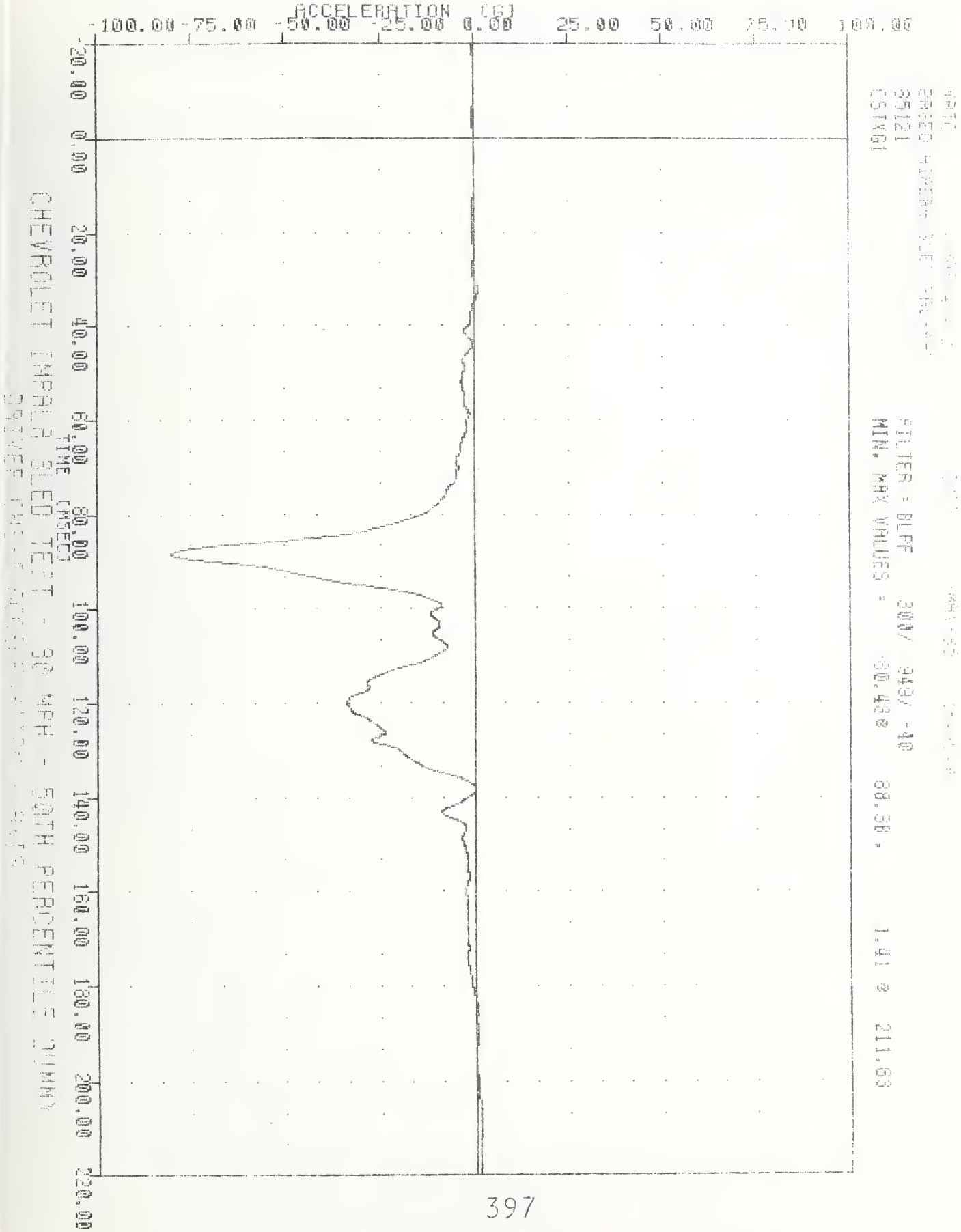
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXV1

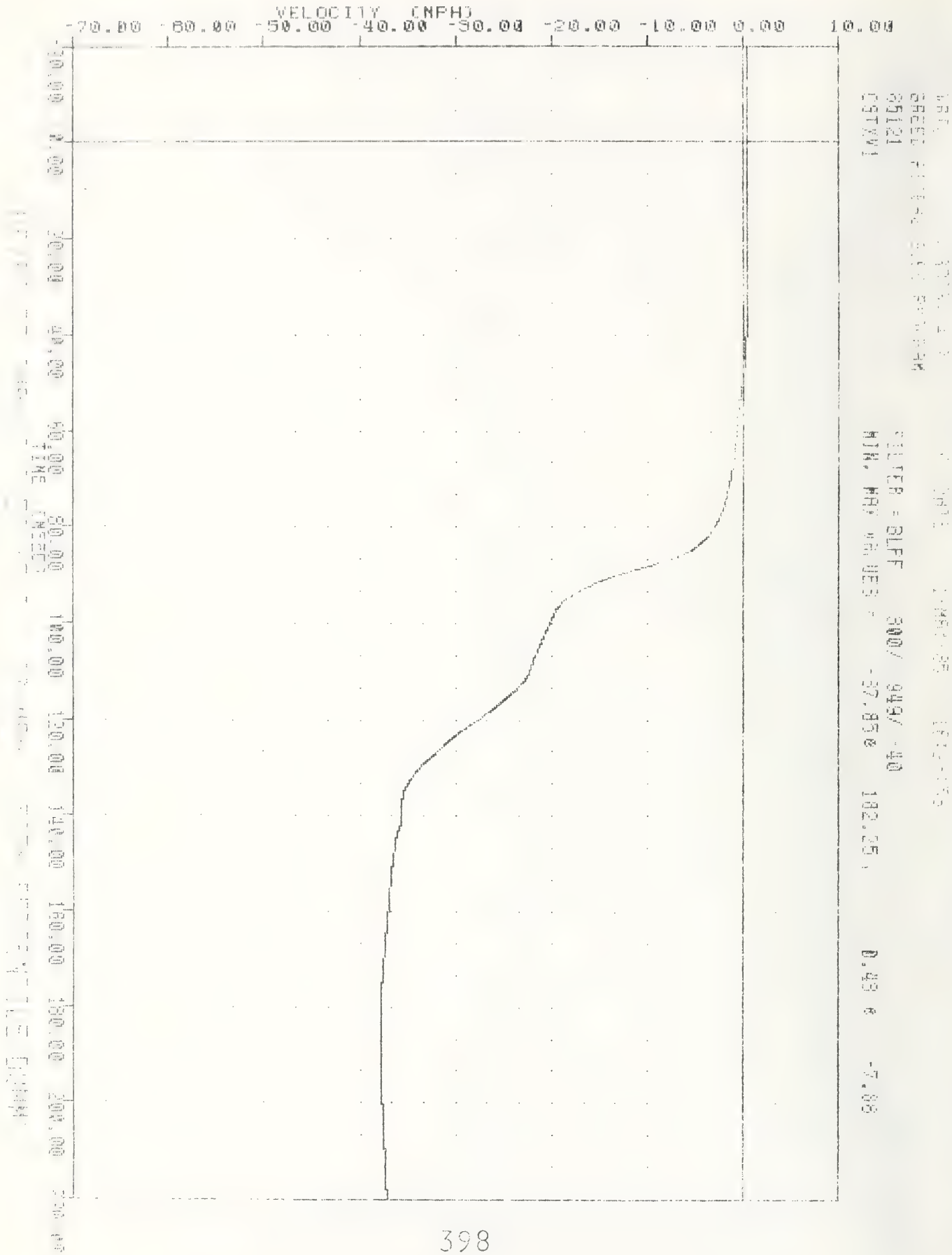

WRTC
BREED AIRBAG SLED PROGRAM
85121
HEDX01
PLOT DATE
FILTER = BLPF
MIN, MAX VALUES =
-48.16@
220.00,
0.68 @
91.25
DISPLACEMENT (IN)
-45.00
-30.00
-25.00
-20.00
-15.00
-10.00
-5.00
0.00
5.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME (MSEC)

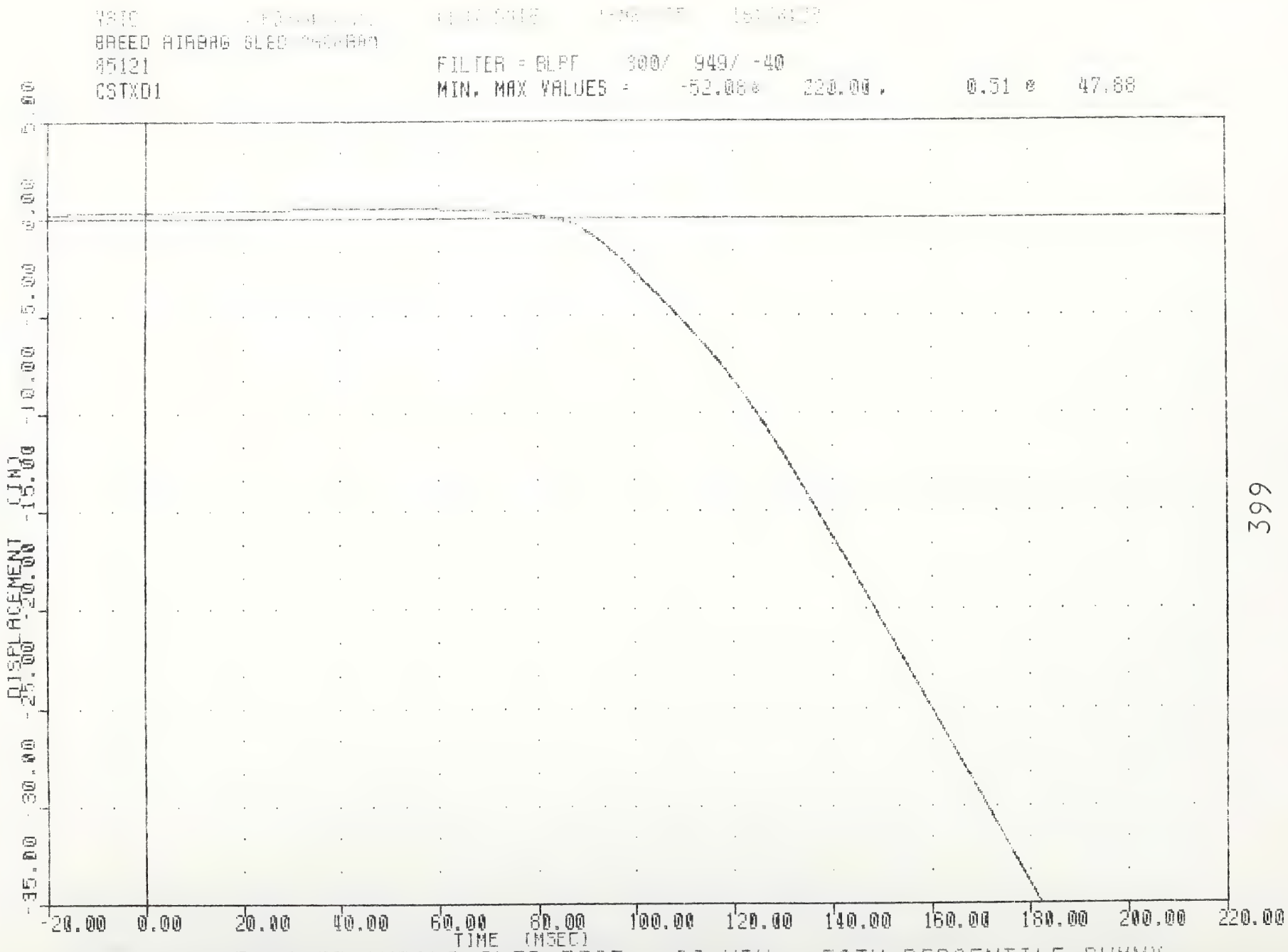


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION - AXIS


PROJ . A0884-4-21
PLOT DATE 1-MAY-85 15:20:0
BREED AIRBAG SLED PROGRAM
85121
HEDZG1
FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -28.40@ 82.38, 87.07@ 99.00
ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME (MSEC)


ACCELERATION [G]
-100.00 -75.00 -50.00 -25.00 0.00 25.00 50.00 75.00 100.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER
FILTER = BLFF 300/ 3437 -40
MIN/ MAX VALUES = 80.42@ 88.38, 1.41 @ 211.83
35121
CSING1

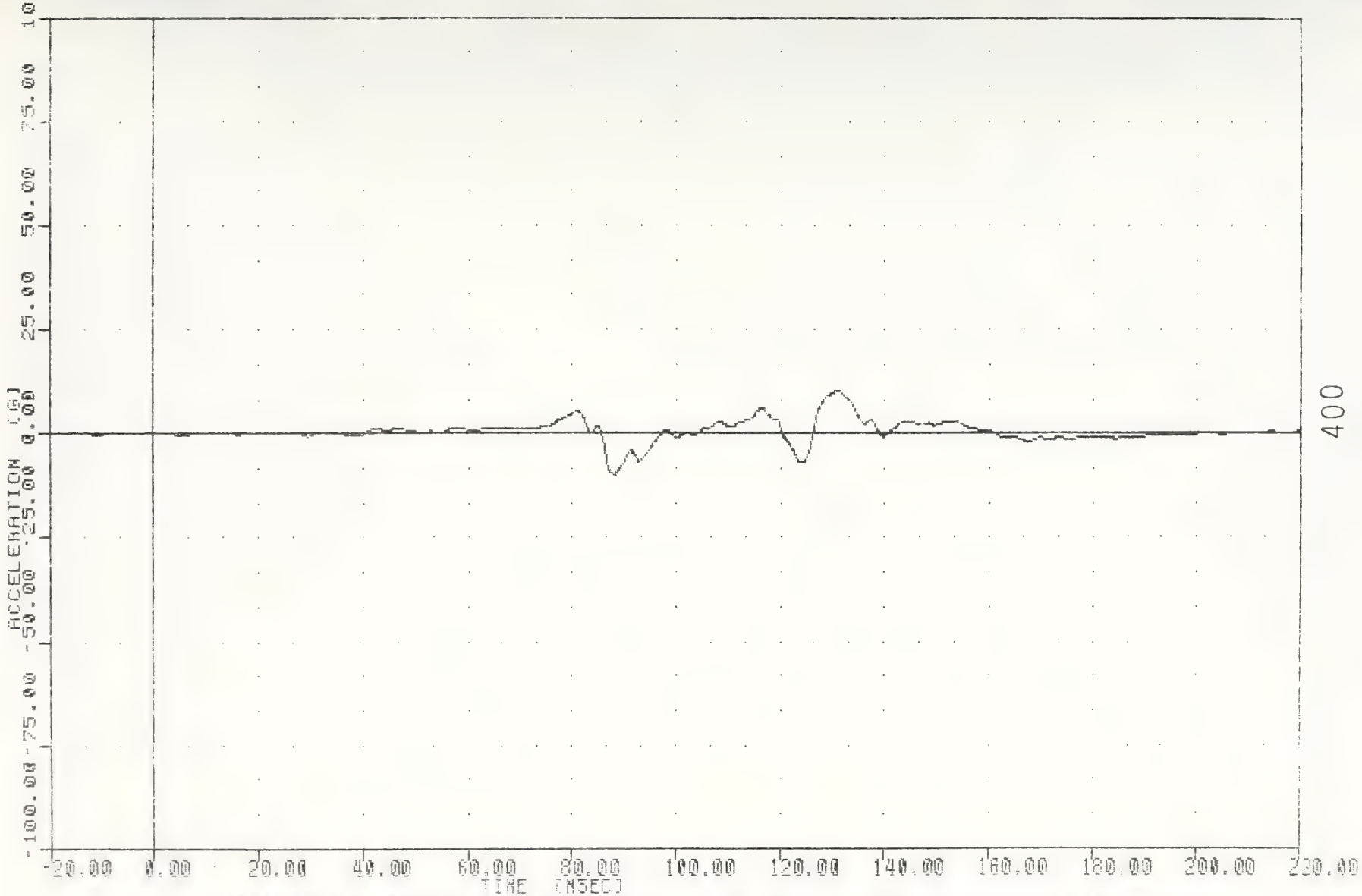

VELOCITY (MPH)
-70.00 -60.00 -50.00 -40.00 -30.00 -20.00 -10.00 0.00 10.00
TIME (MSEC)
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
MIN, MAX VALUES - 0.00 / 182.25
DIFF 200/ 0.00 - 0.00 / 0.00
0.00 0.00 -7.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

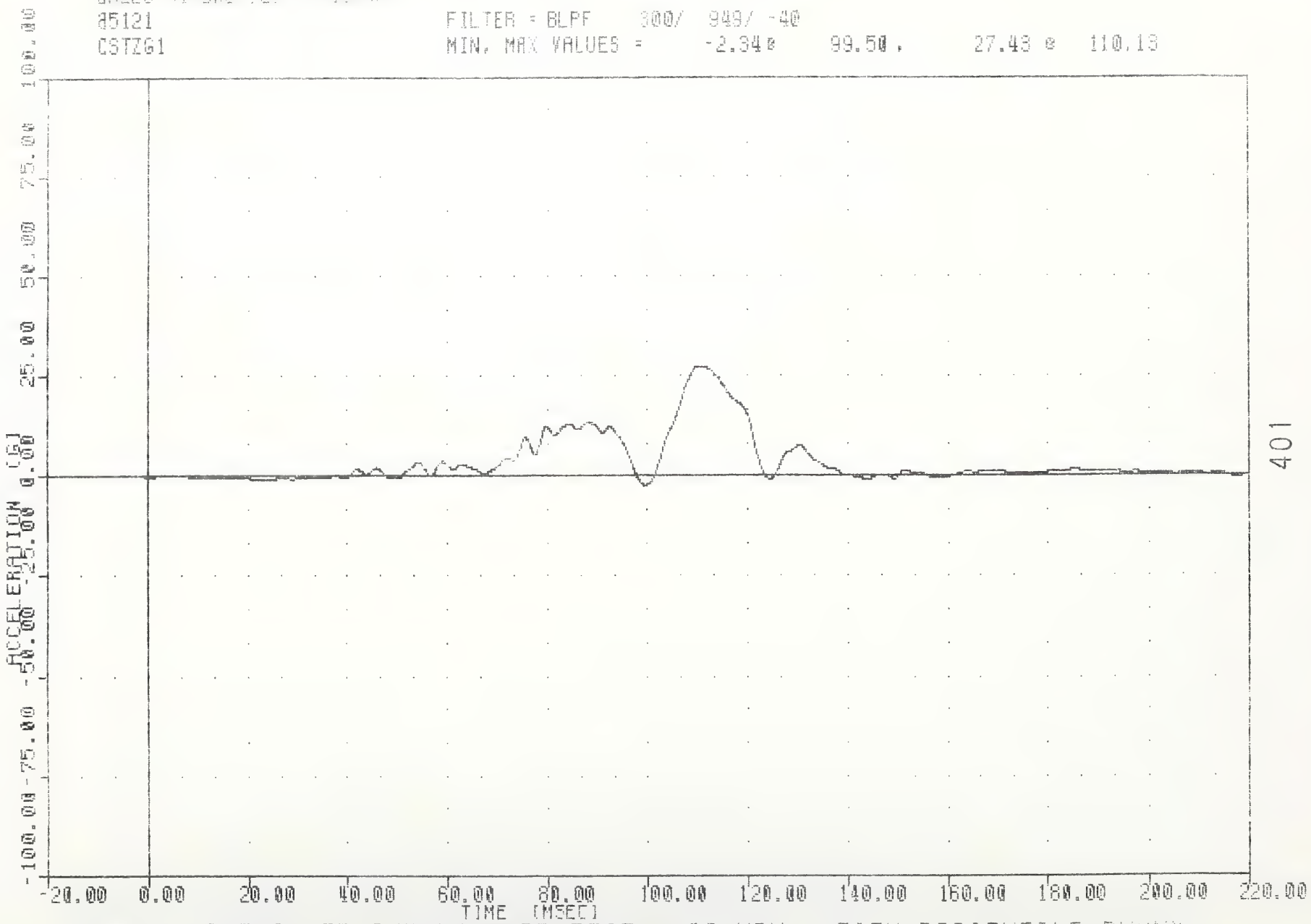
DELTA X USING CSTXD1

VATC , RD:04-4-22 PLOT DATE 1-MAY-85 16:20:01
BREED AIRBAG SLED PROGRAM
85121 FILTER = BLPF 300/ 949/ -40
CSTY61 MIN. MAX VALUES = -9.75@ 88.00 , 10.27 @ 131.00

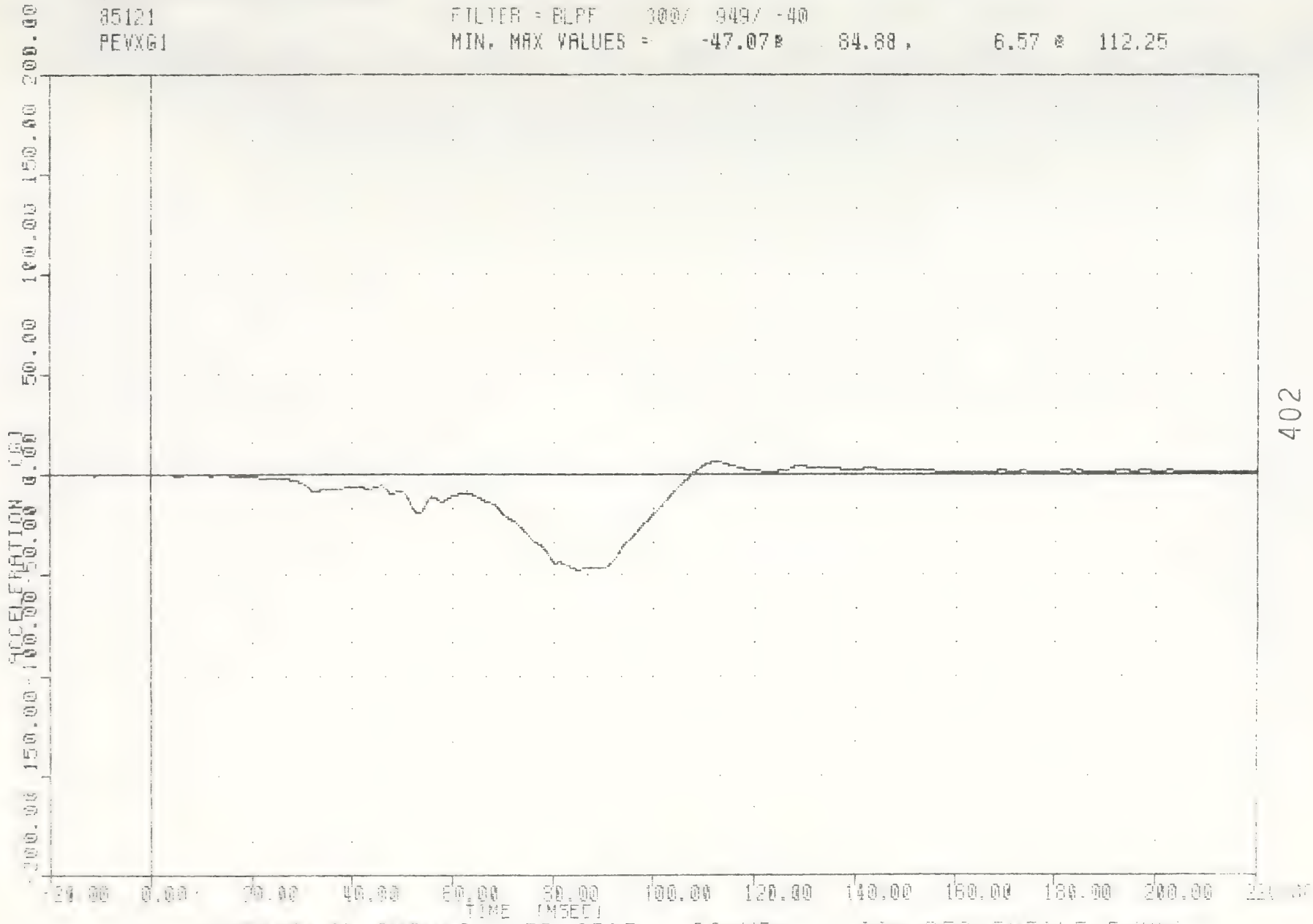


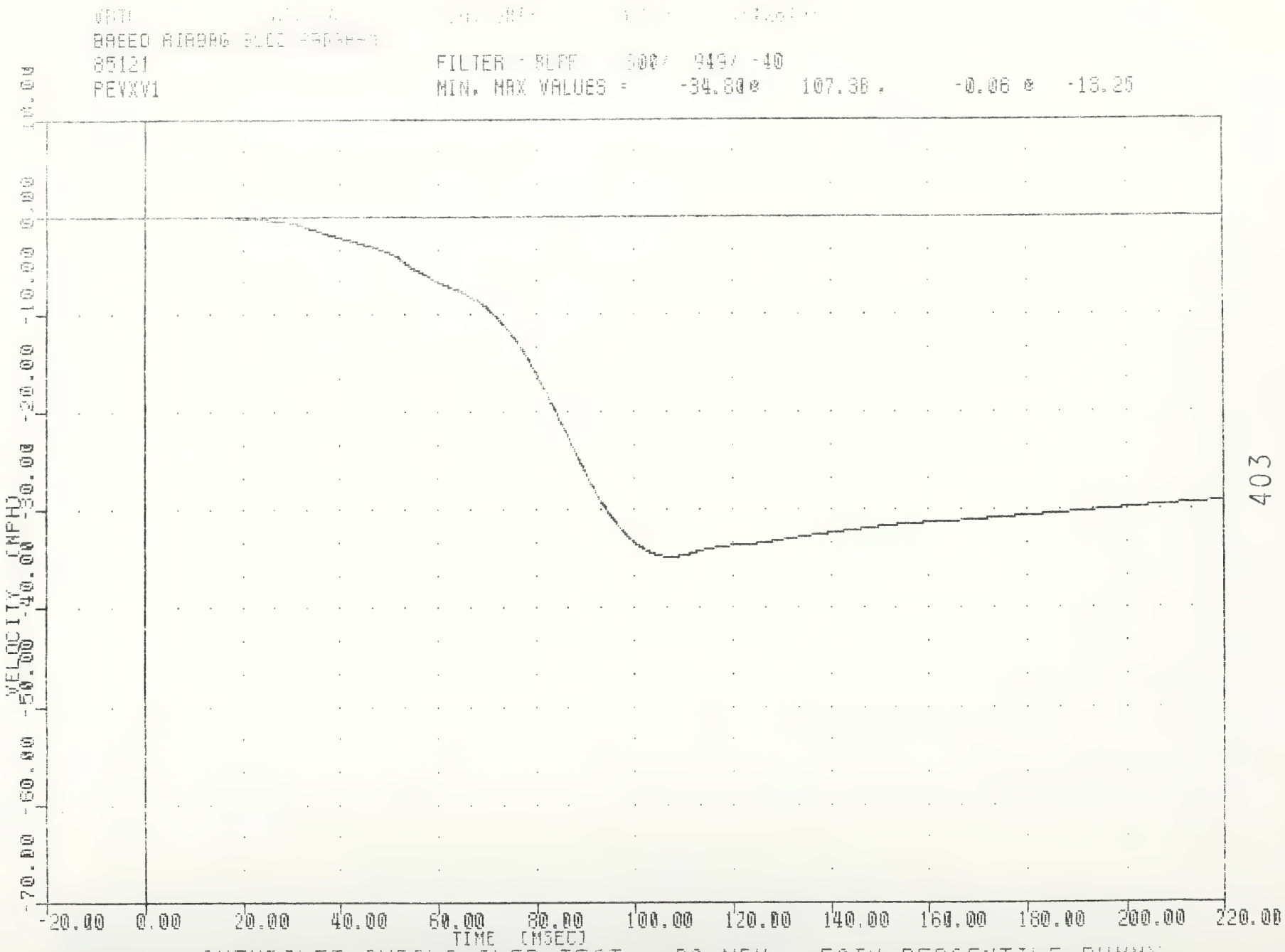
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

400

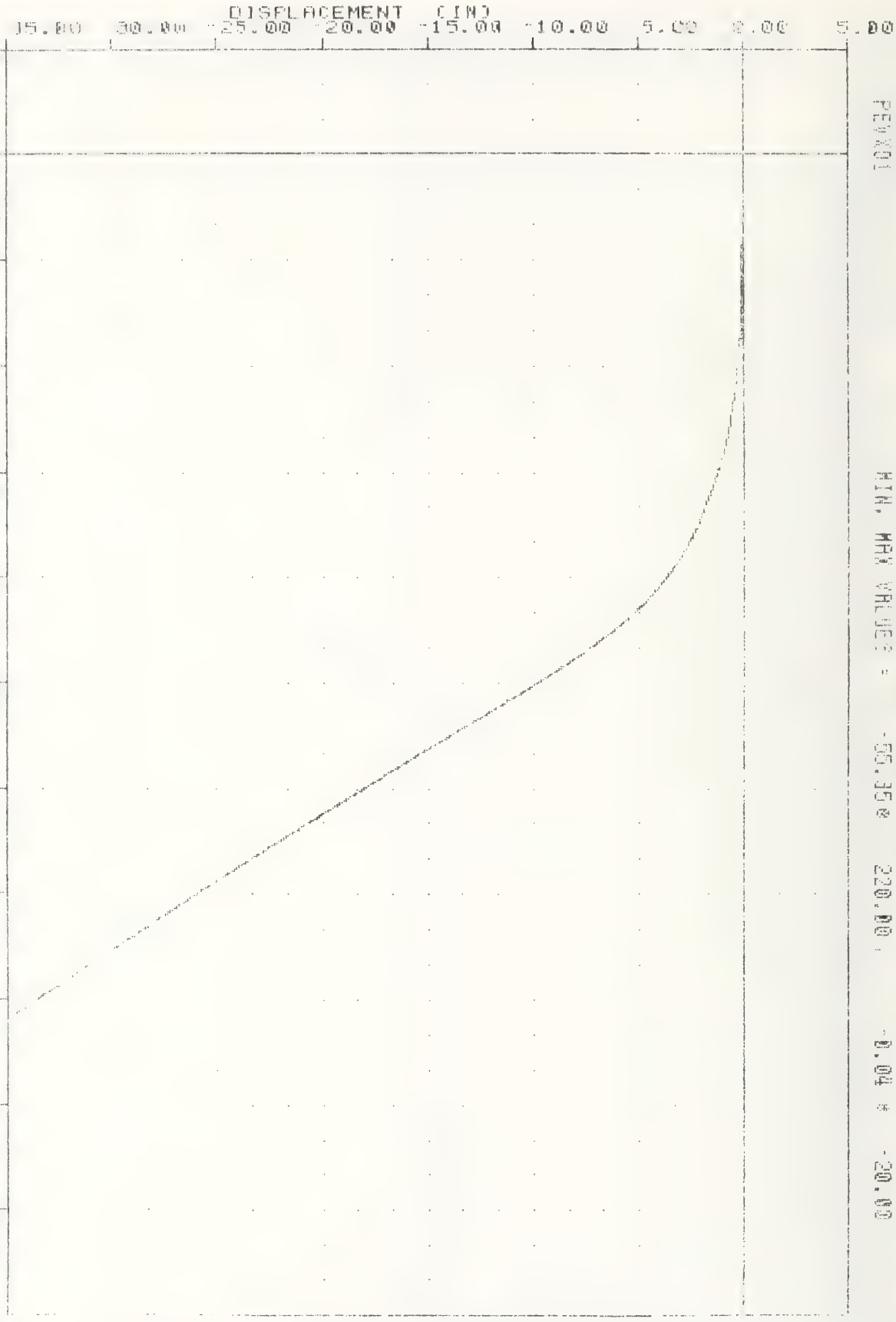


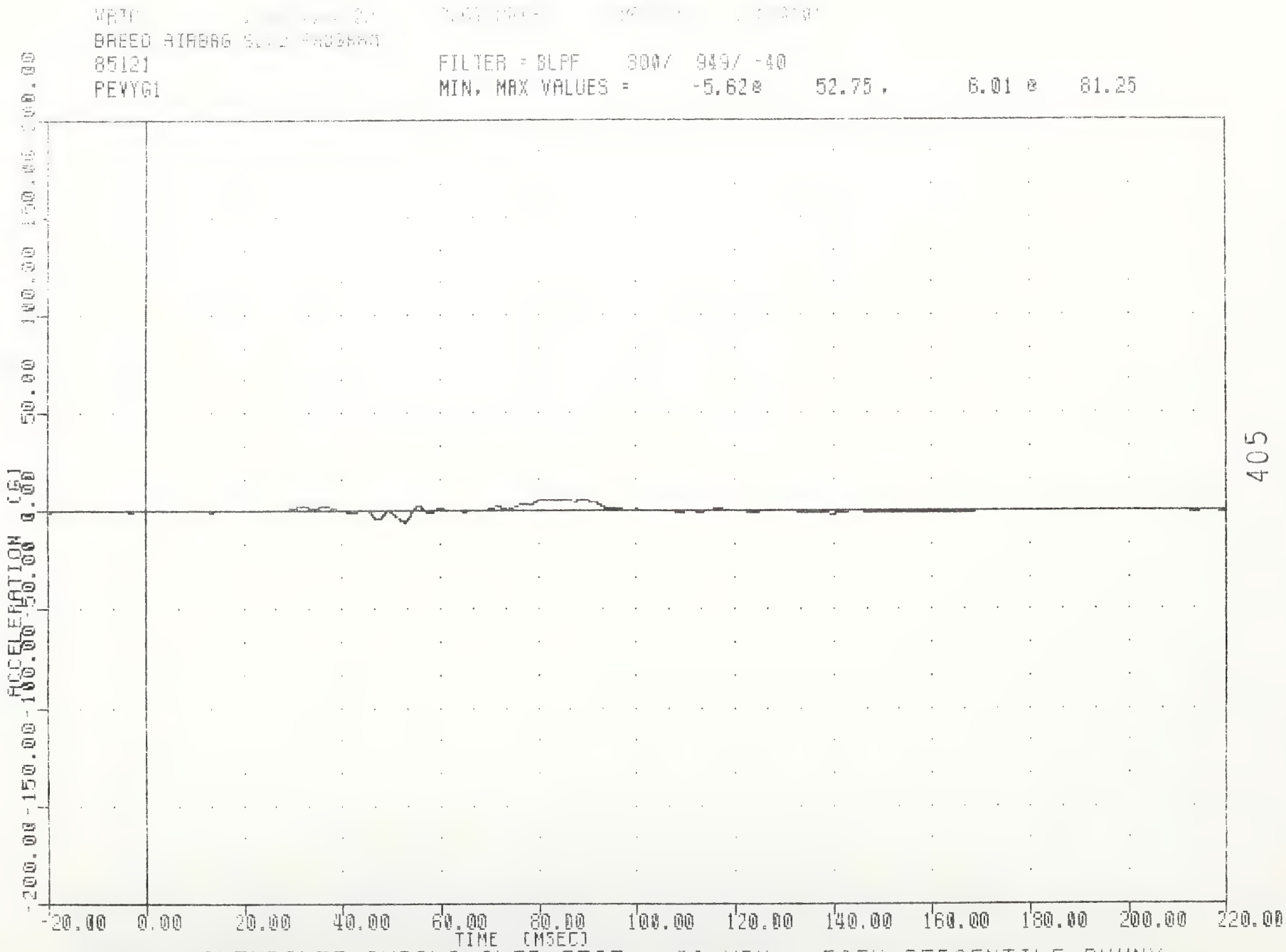
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS


85121
PEWXG1
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -47.07 @ 84.88 , 6.57 @ 112.25
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

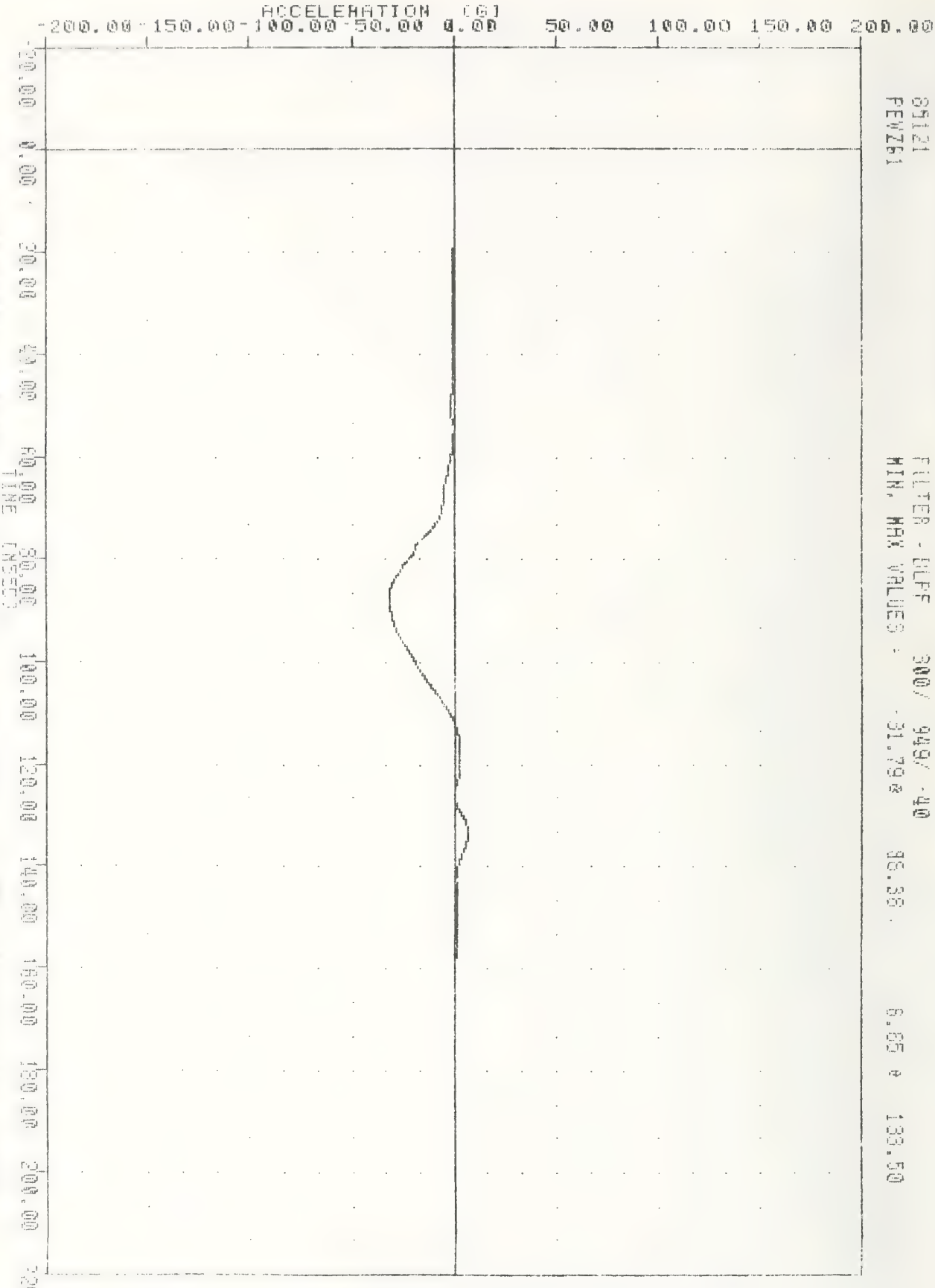


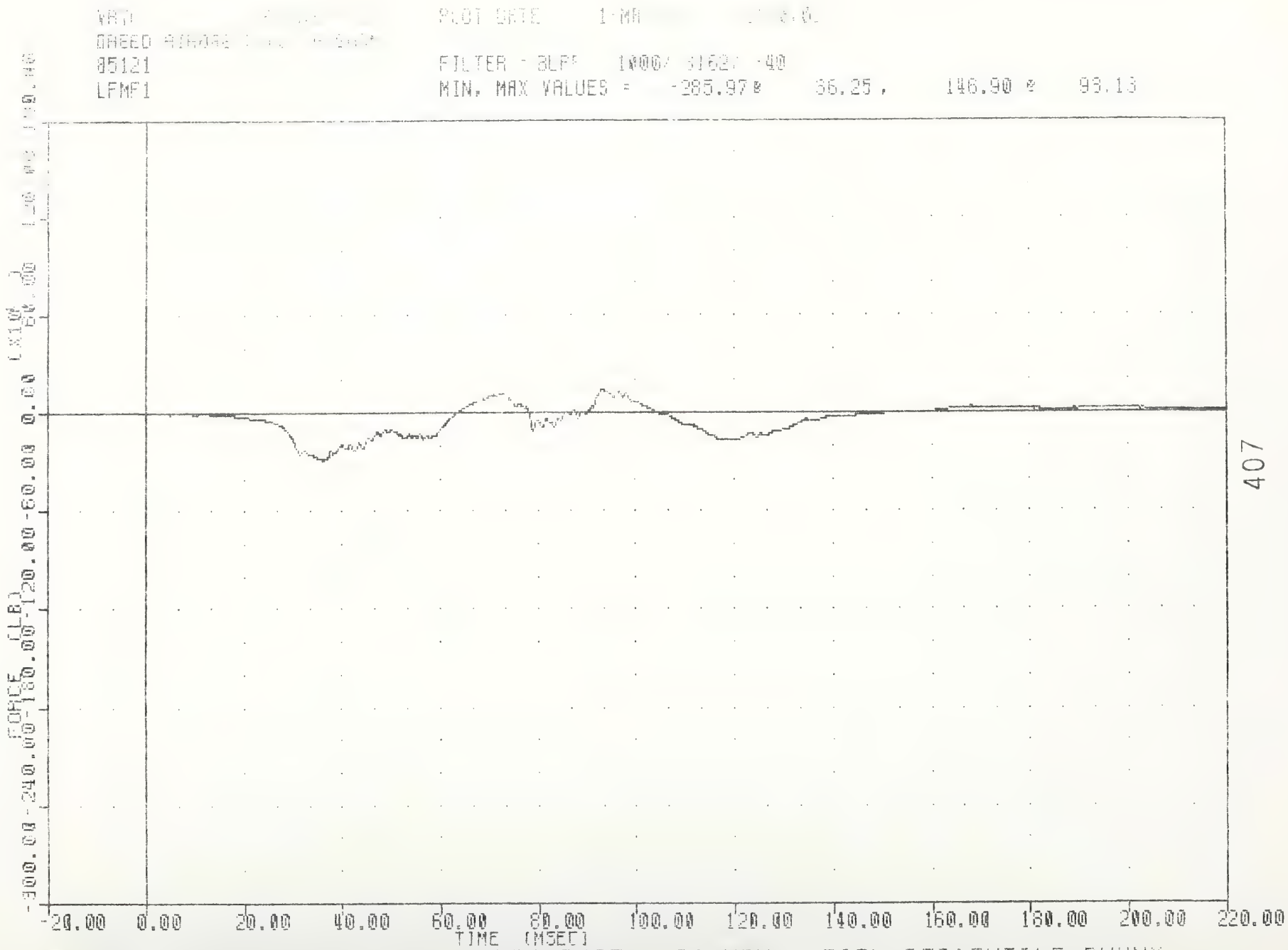
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXV1


DISPLACEMENT (IN)
15.00 30.00 -25.00 -20.00 -15.00 -10.00 5.00 0.00 5.00
-50.00 0.00 50.00 100.00 150.00 200.00 250.00 300.00 350.00 400.00 450.00 500.00
FILTER - 60PF 300/ 440/ 40
MIN, MAX VALUES = -50.35 0 220.00
-0.04 * -20.00
85121
PE0001

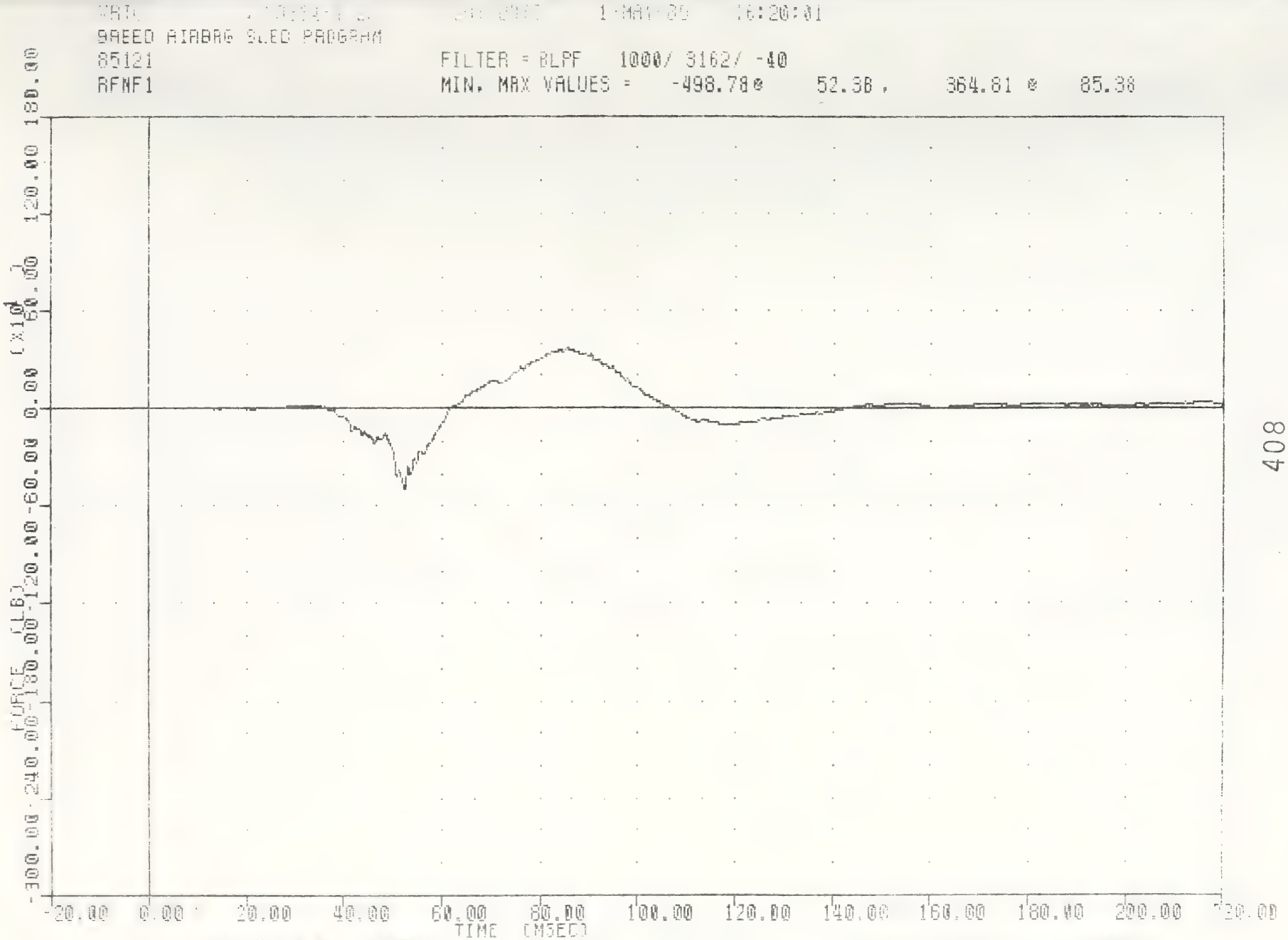


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

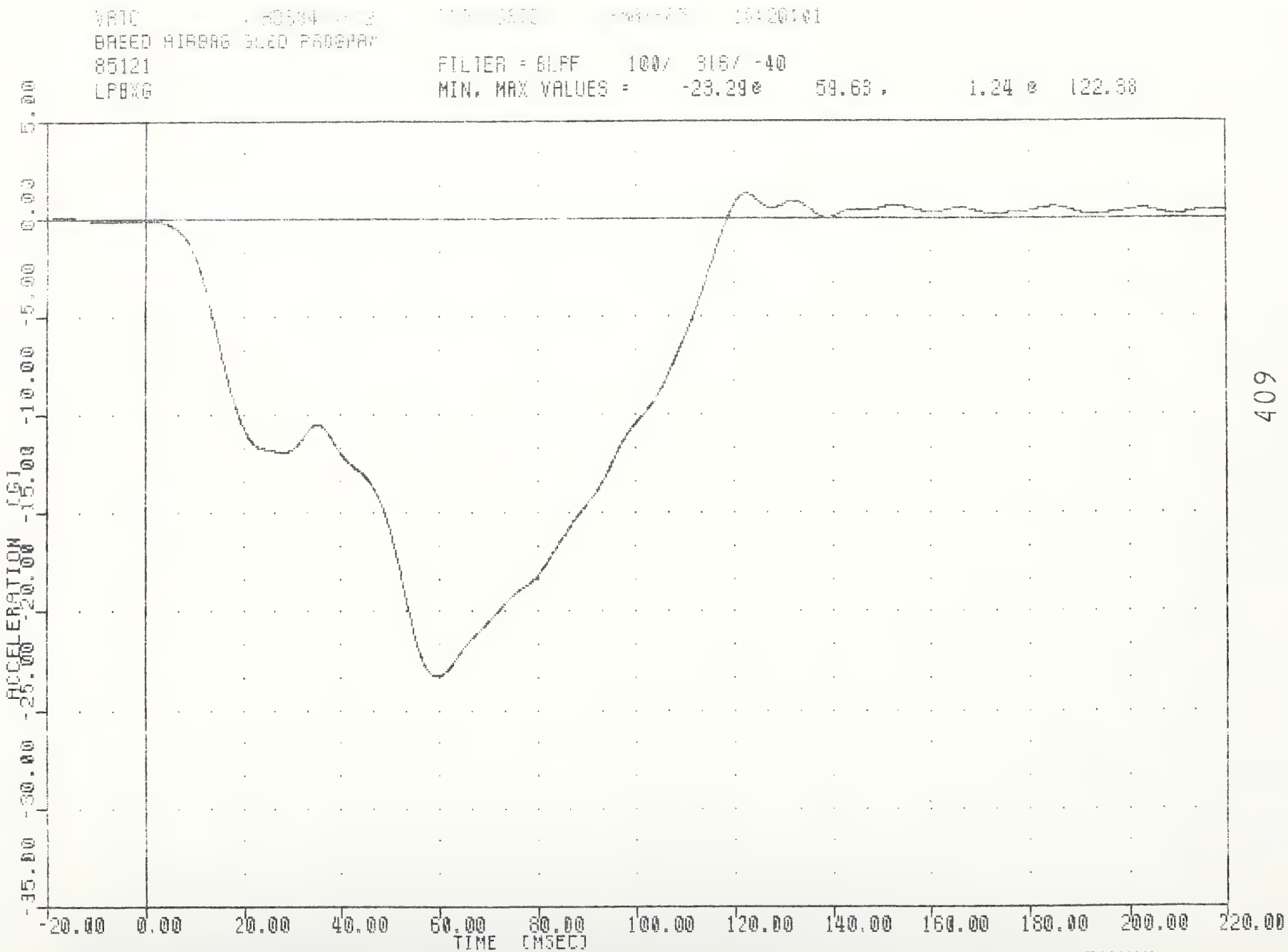

ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
BREED AIRBAG SLED PROGRAM
85121
PEWZ61
FILTER - BUTT 300/ 948/ -40
MIN, MAX VALUES - -31.79@ 98.88 6.85@ 133.50
TIME (MSEC)
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00



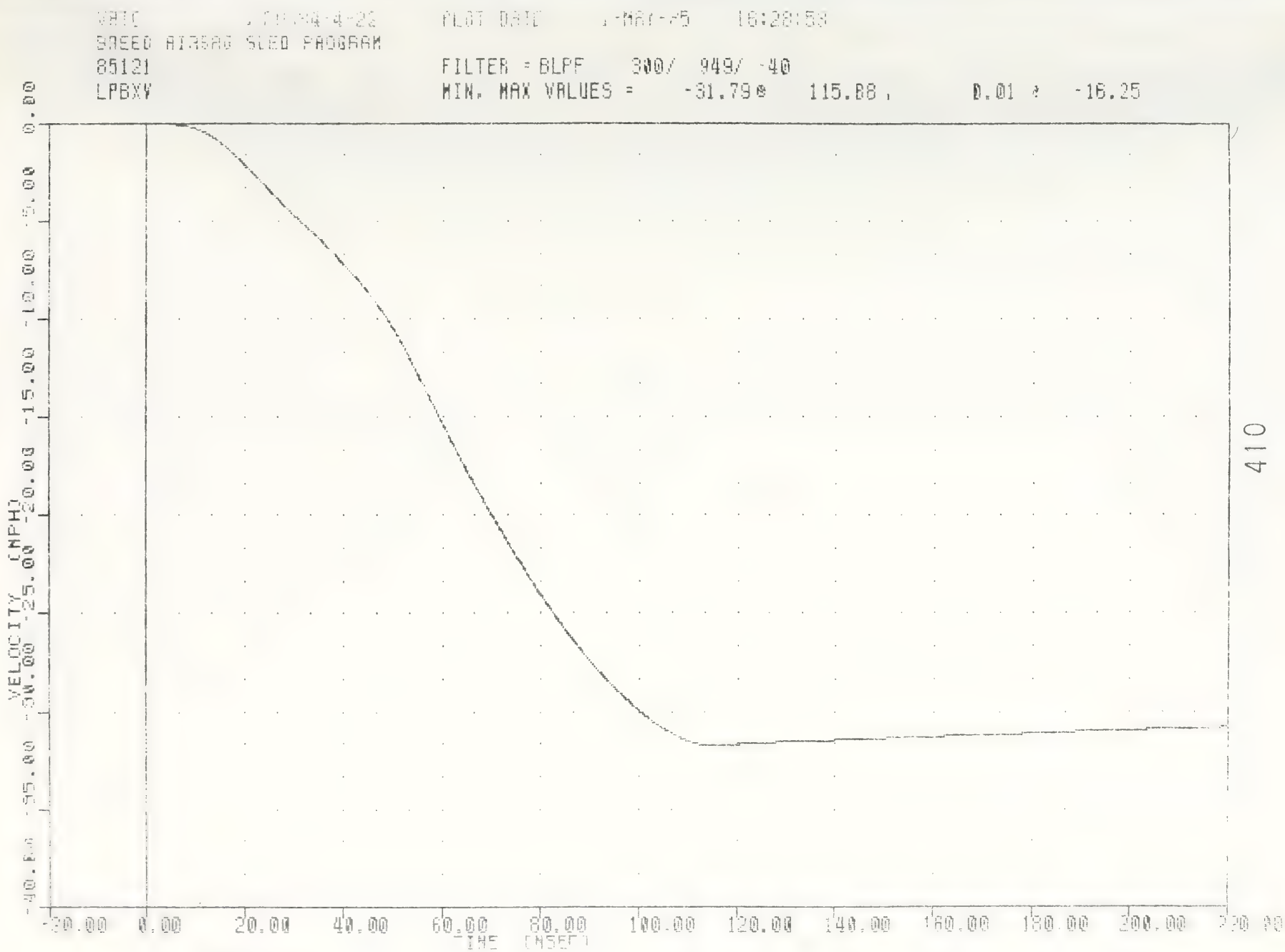
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE



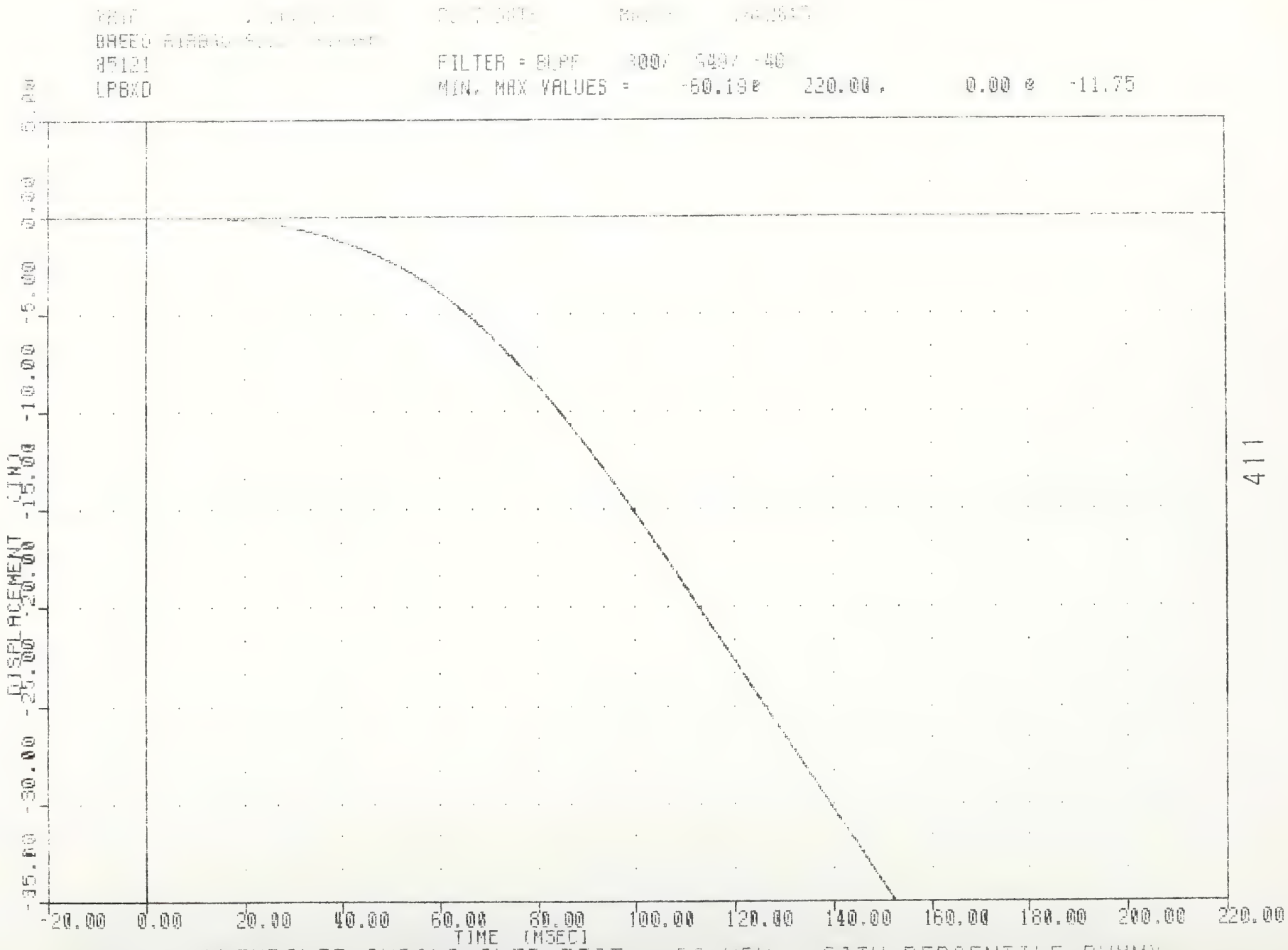
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

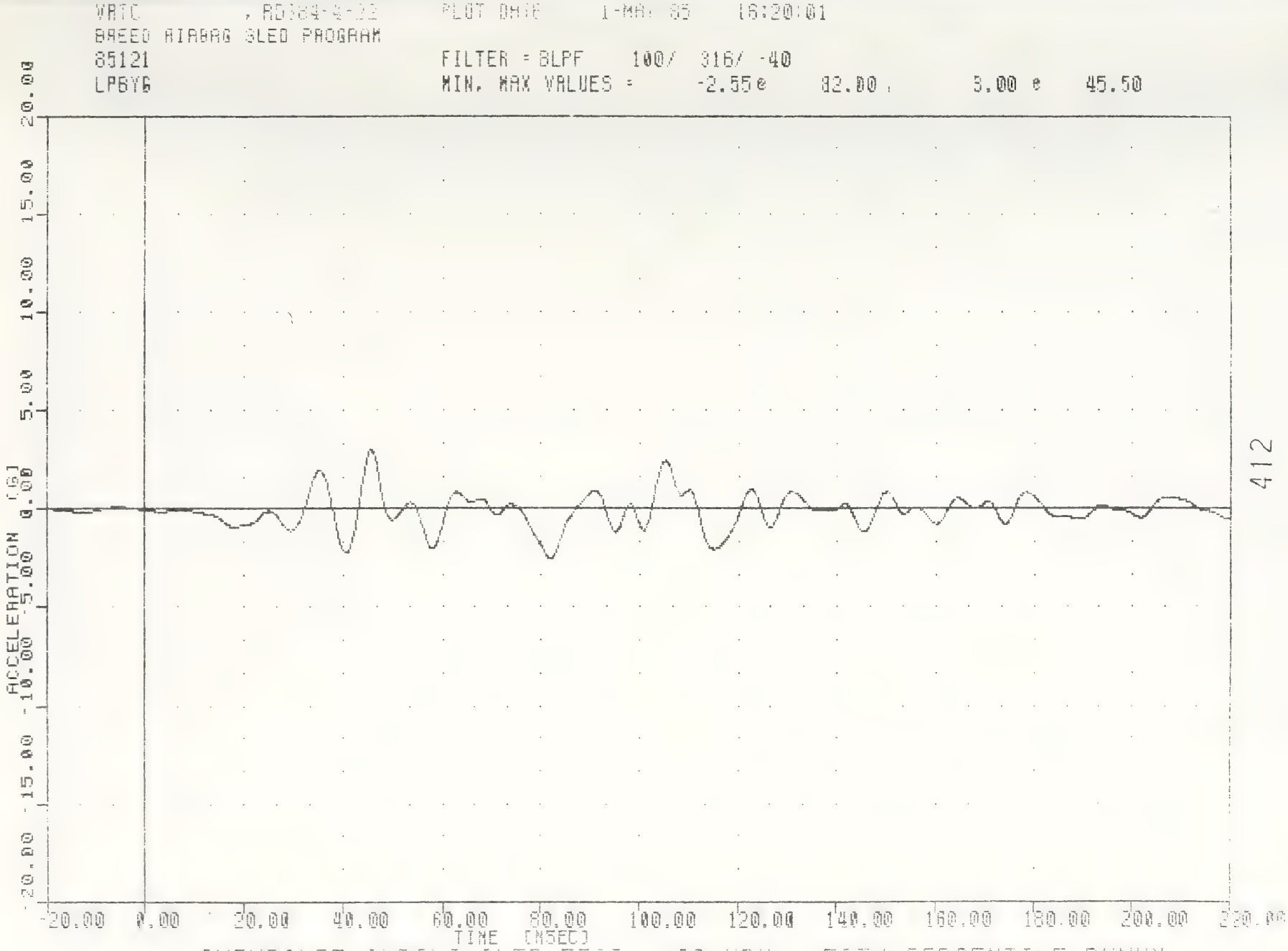


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

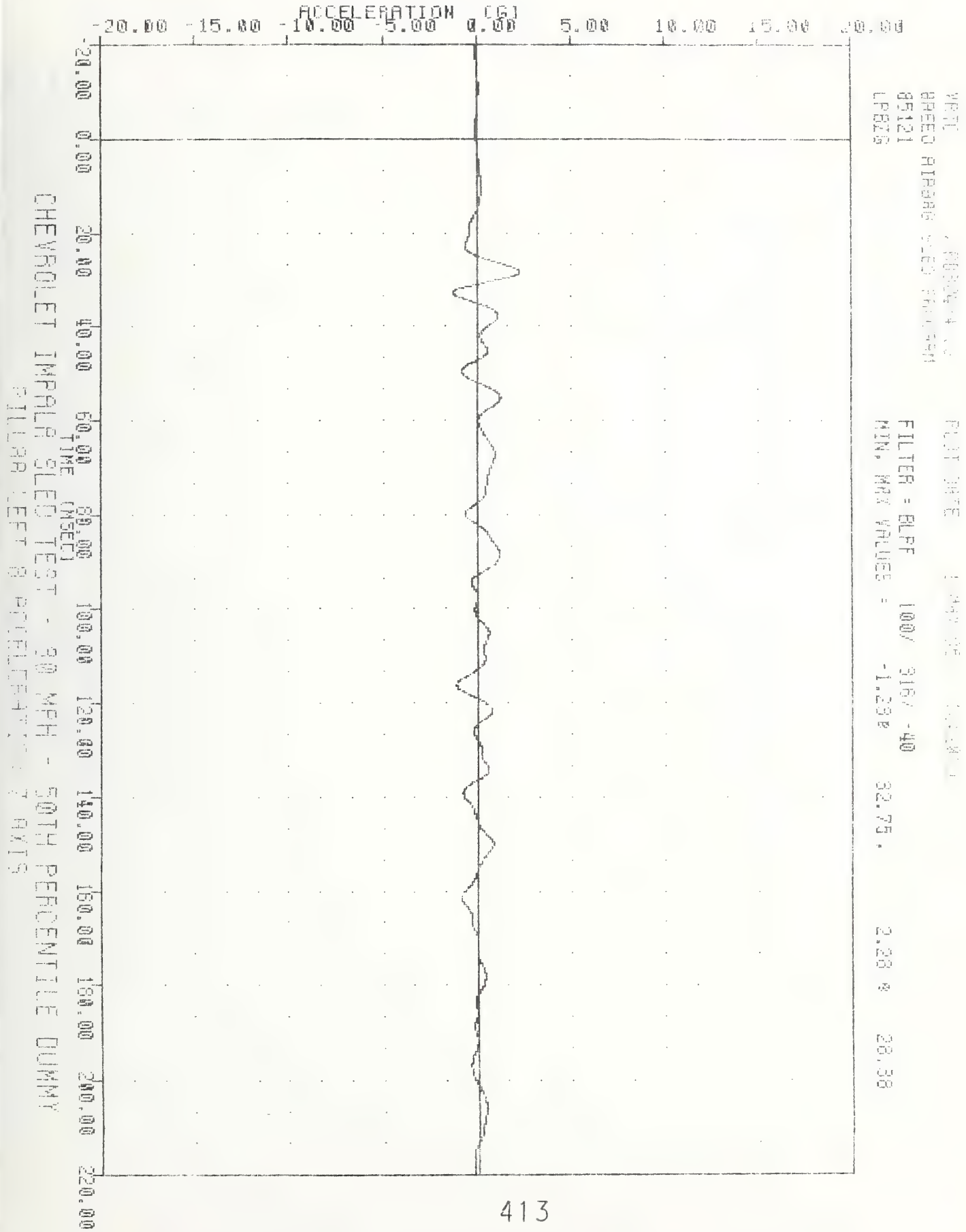


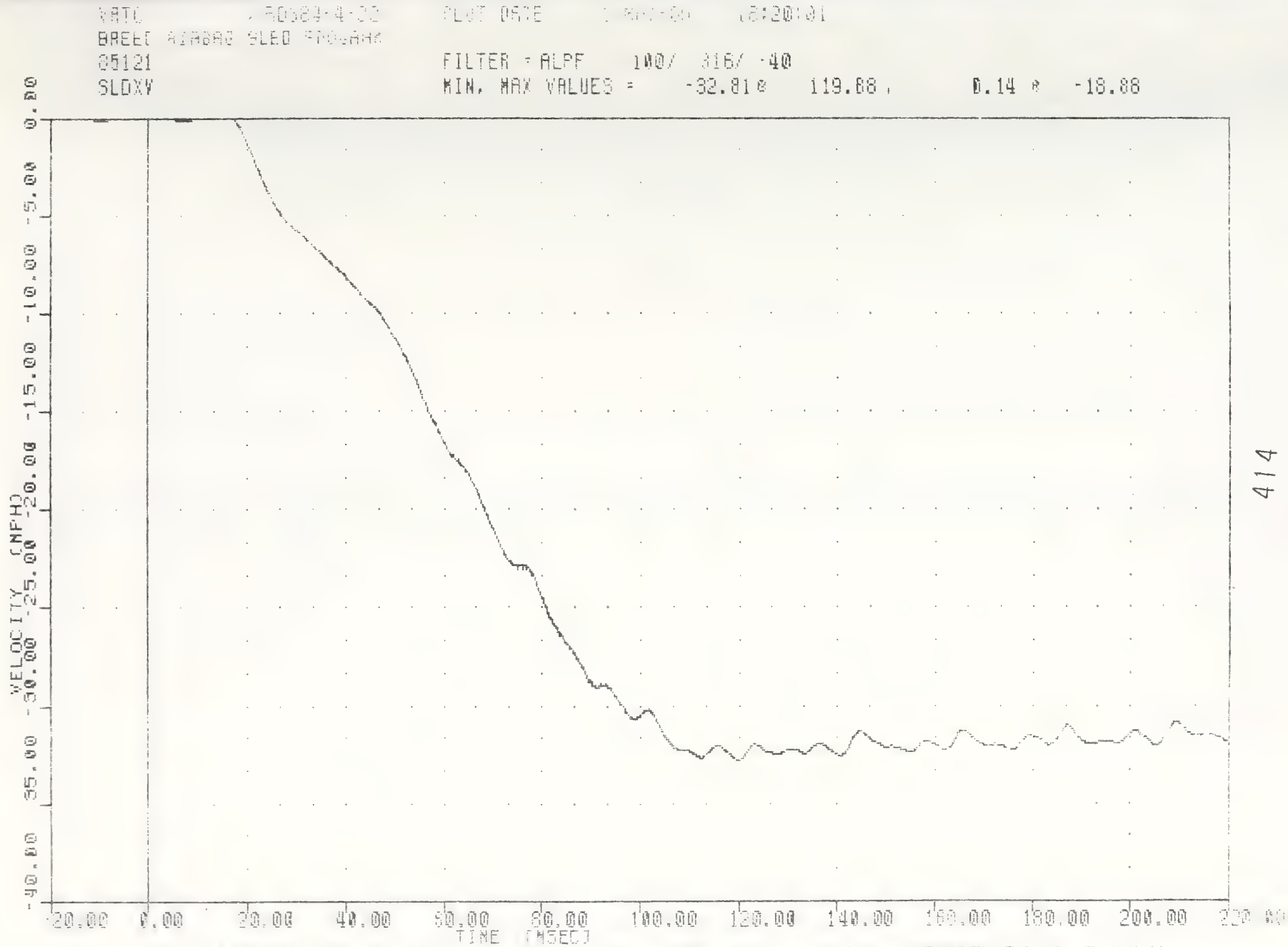
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA X USING LPBX

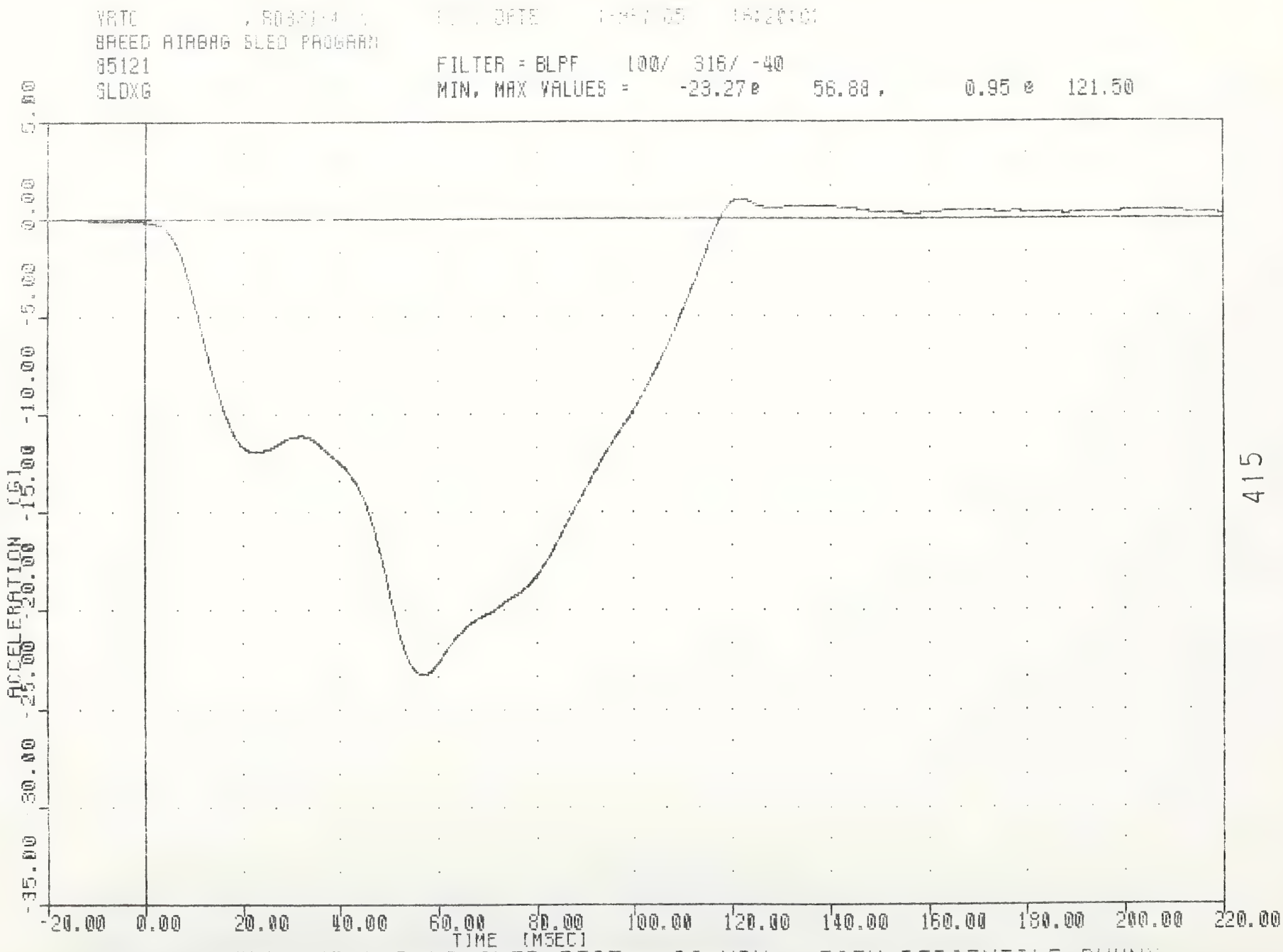


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY


ACCELERATION (G)
-20.00 -15.00 -10.00 -5.00 0.00 5.00 10.00 15.00 20.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
FILTER = BLPF 1000/ 316/ -40
MIN, MAX VALUES = -1.23@ 32.75,
2.28 @ 28.38

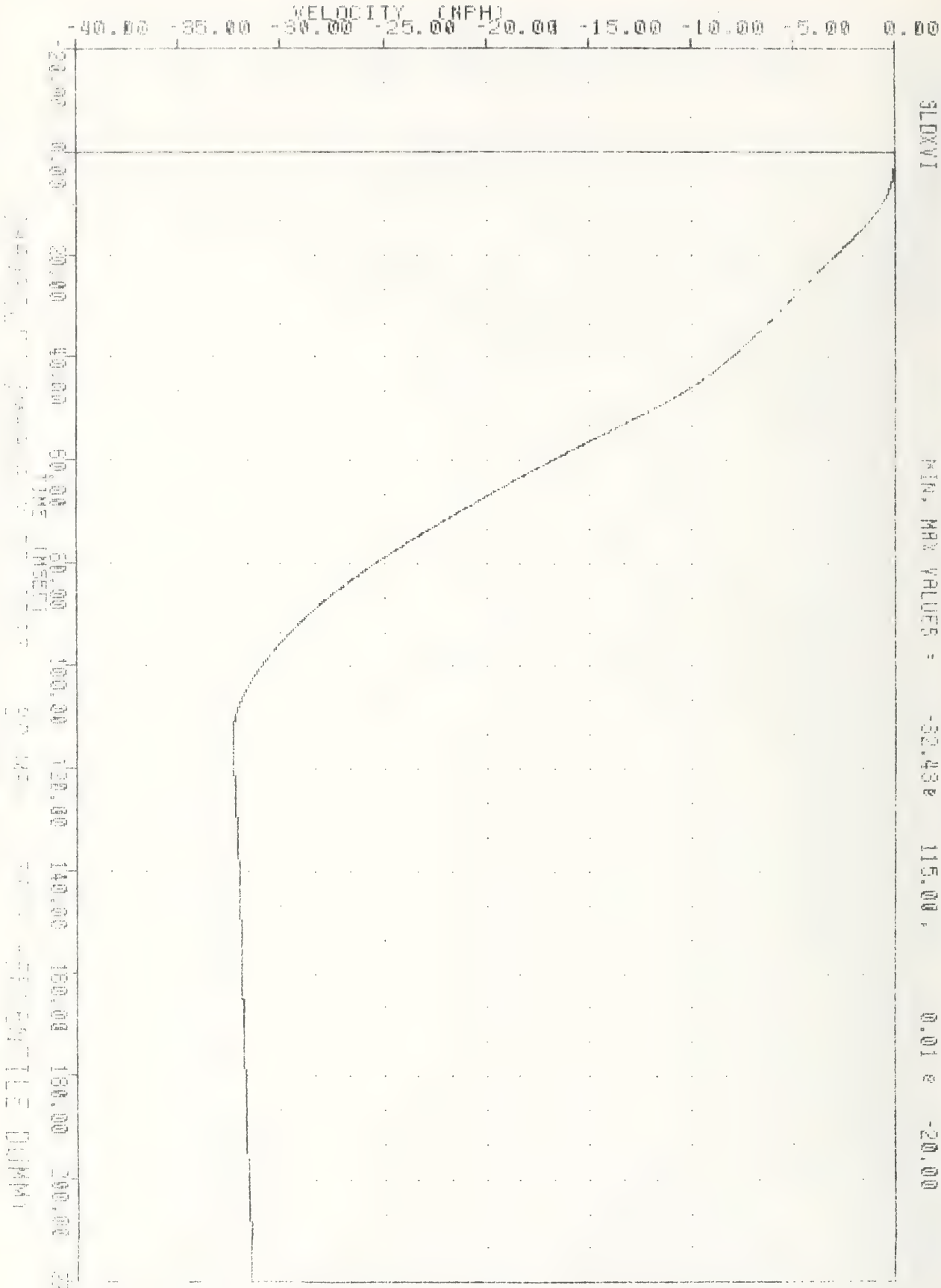


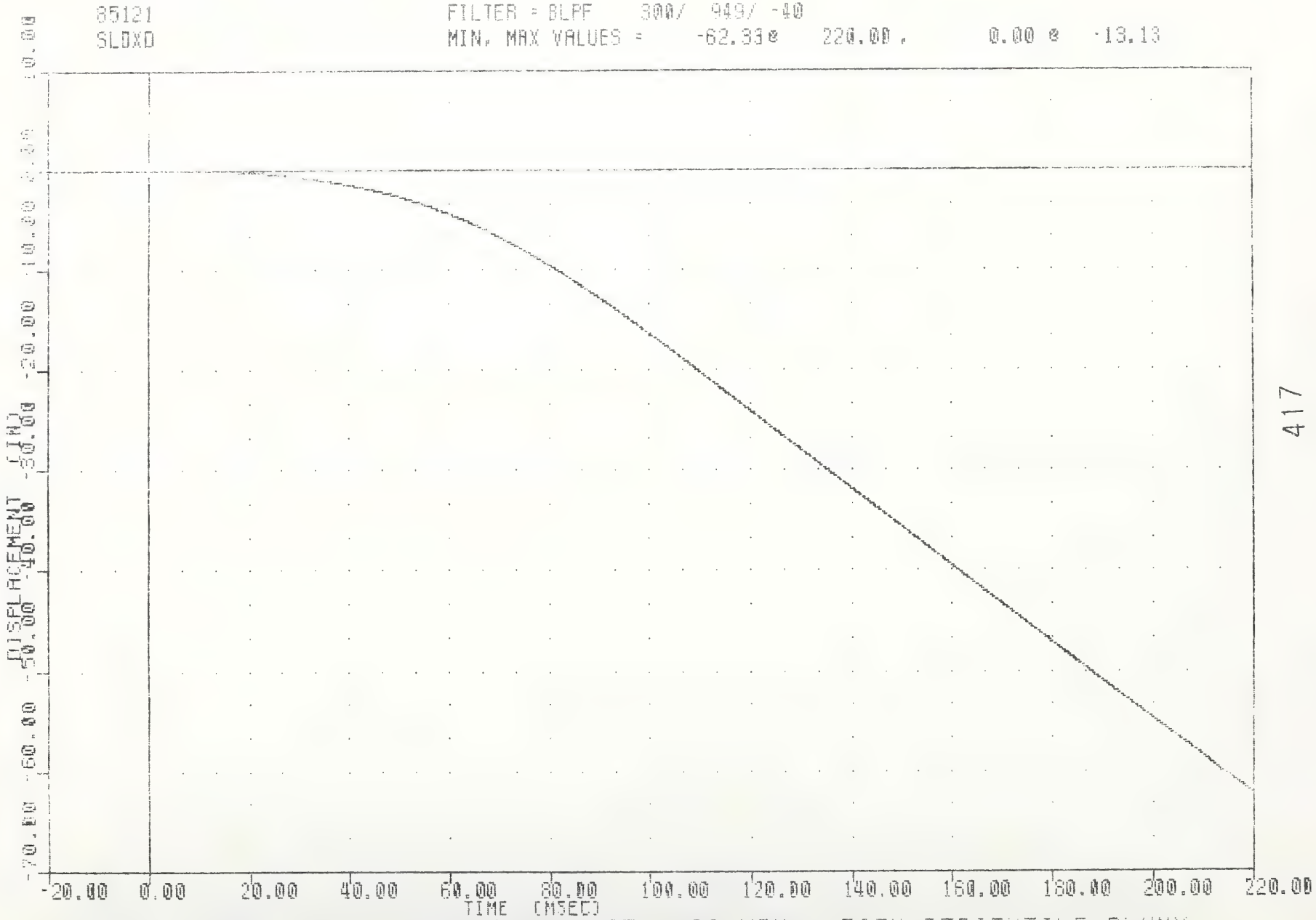
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

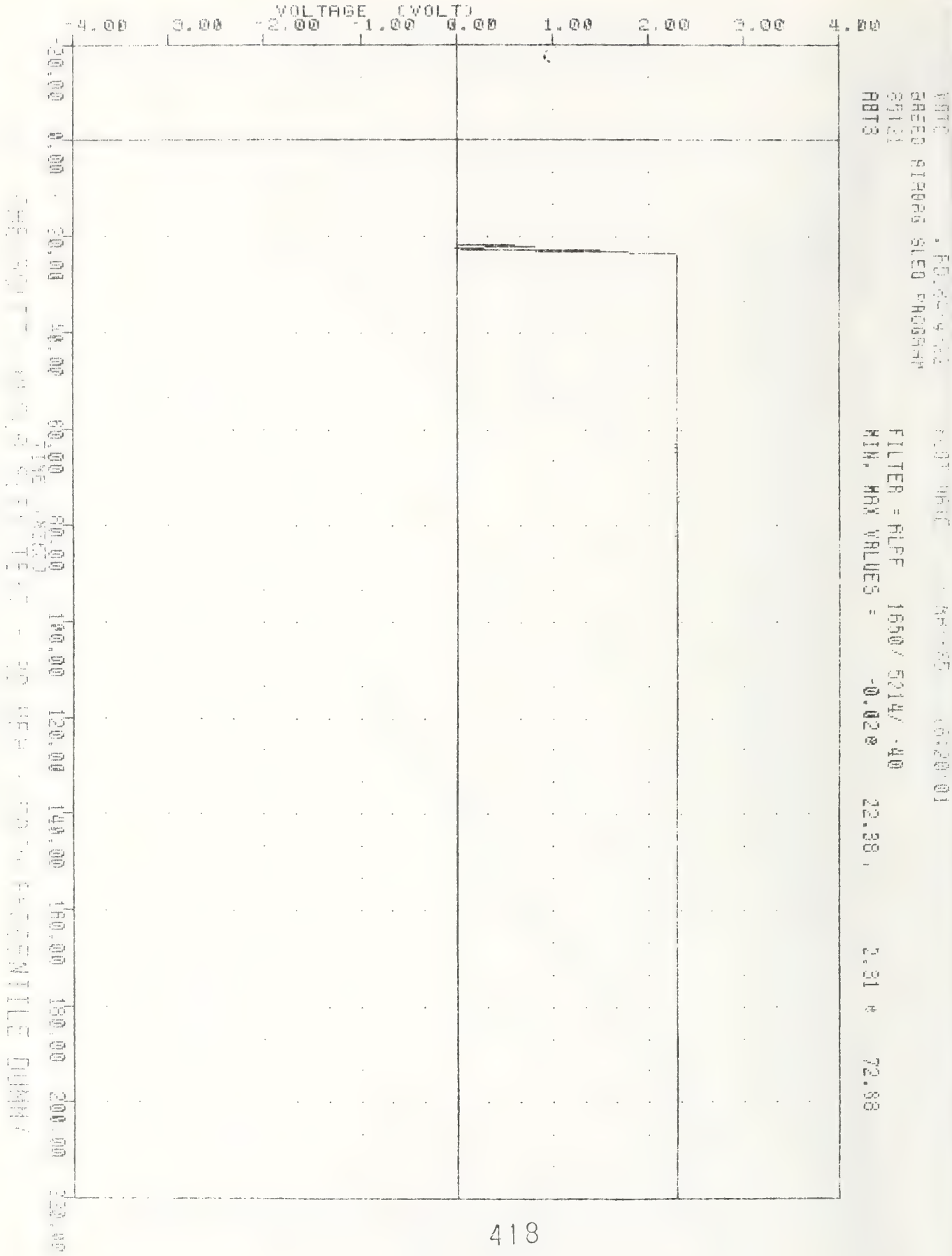
SLED ACCELERATION

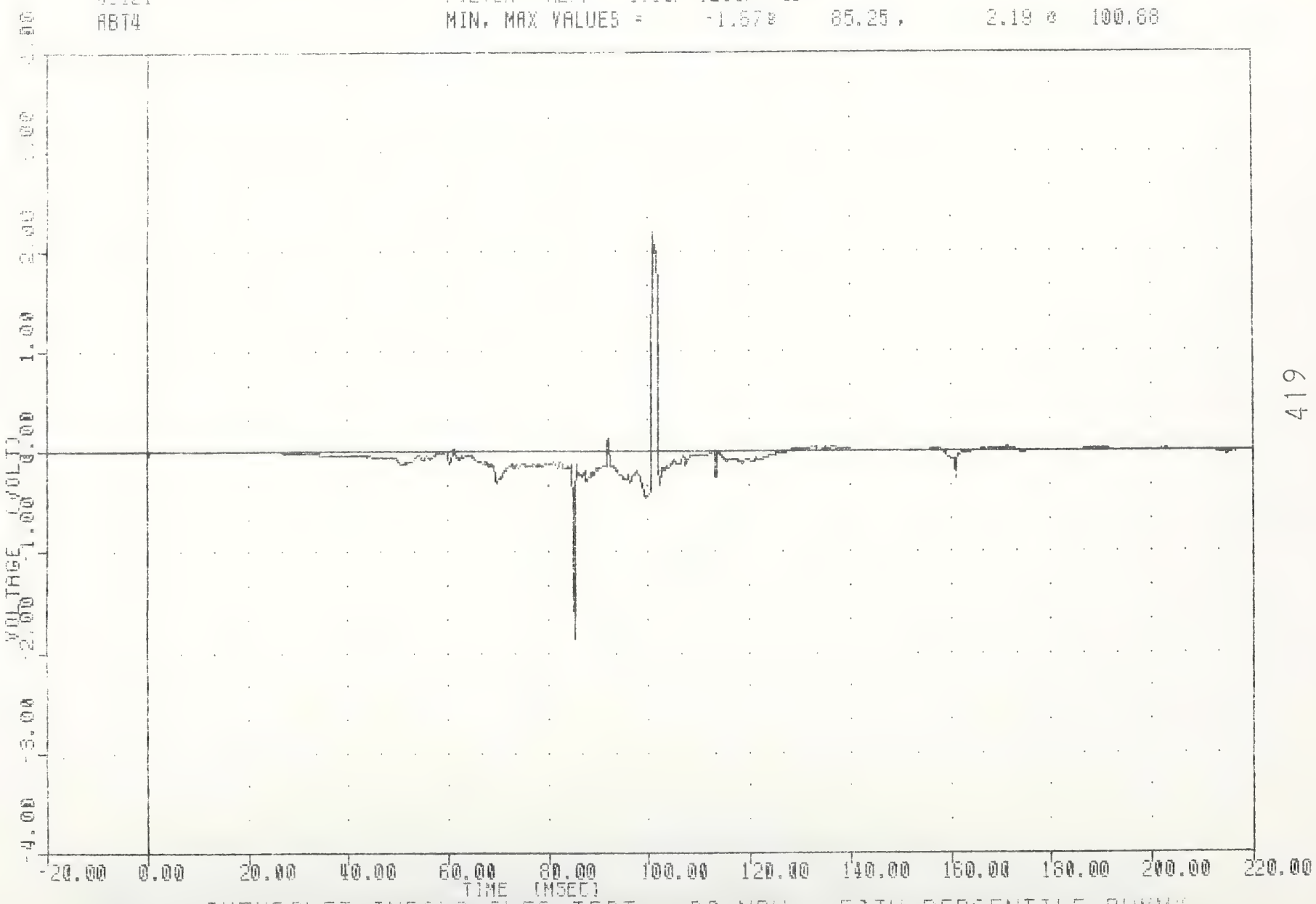

VELOCITY (MPH)
-40.00 -35.00 -30.00 -25.00 -20.00 -15.00 -10.00 -5.00 0.00
FILTER - ELET
MIN, MAX VALUES = -32.43e 115.00
0.01 e -20.00
3LOXVI
TIME (MSEC)
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00



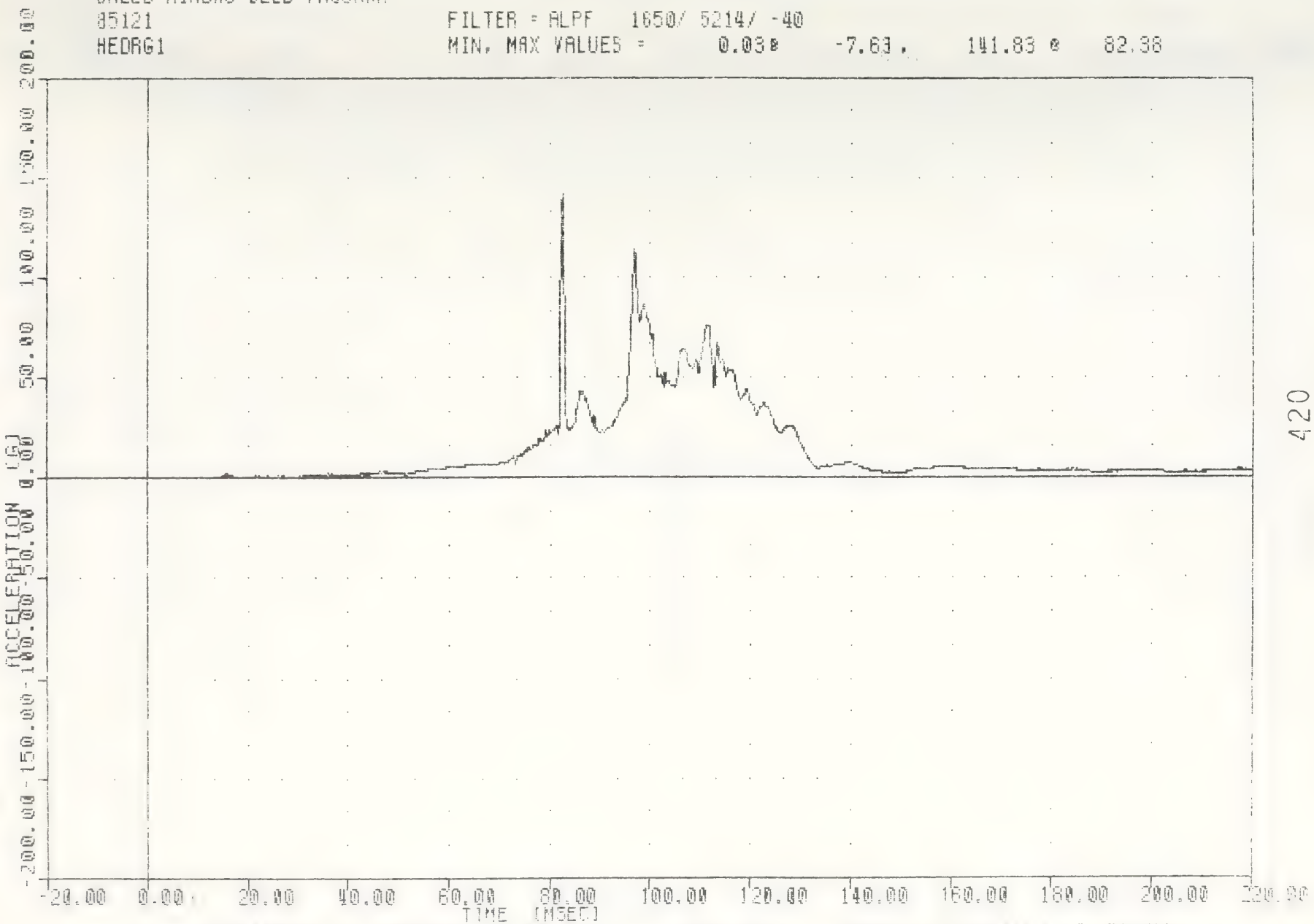
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY

DELTA-V USING SLDXVI

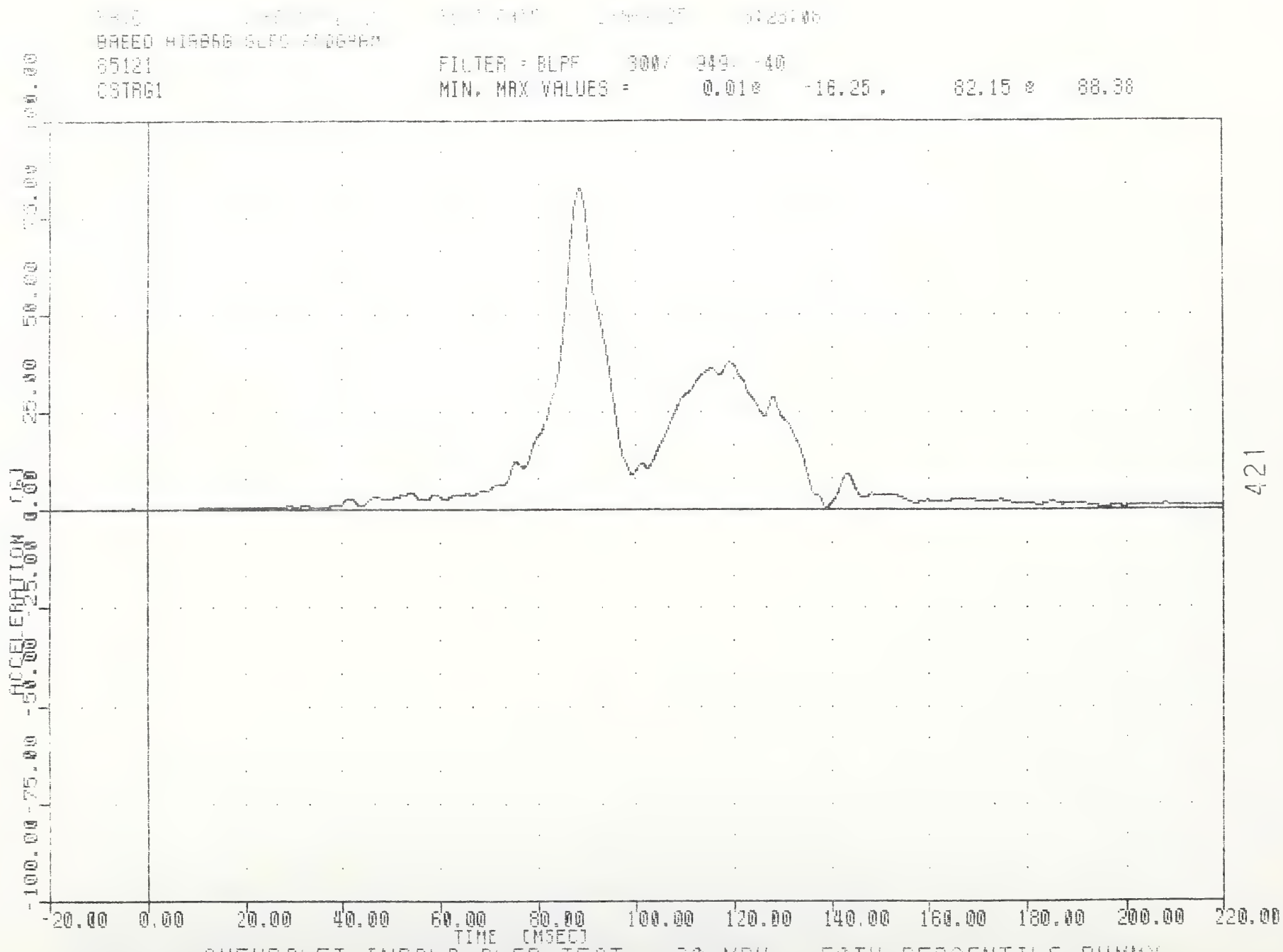

VOLTAGE (VOLT)
-4.00
-3.00
-2.00
-1.00
0.00
1.00
2.00
3.00
4.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
FILTER = 6LPF 1650/ 5214/ .40
MIN, MAX VALUES = -0.020 22.38 2.31 72.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
GEF COMPACT

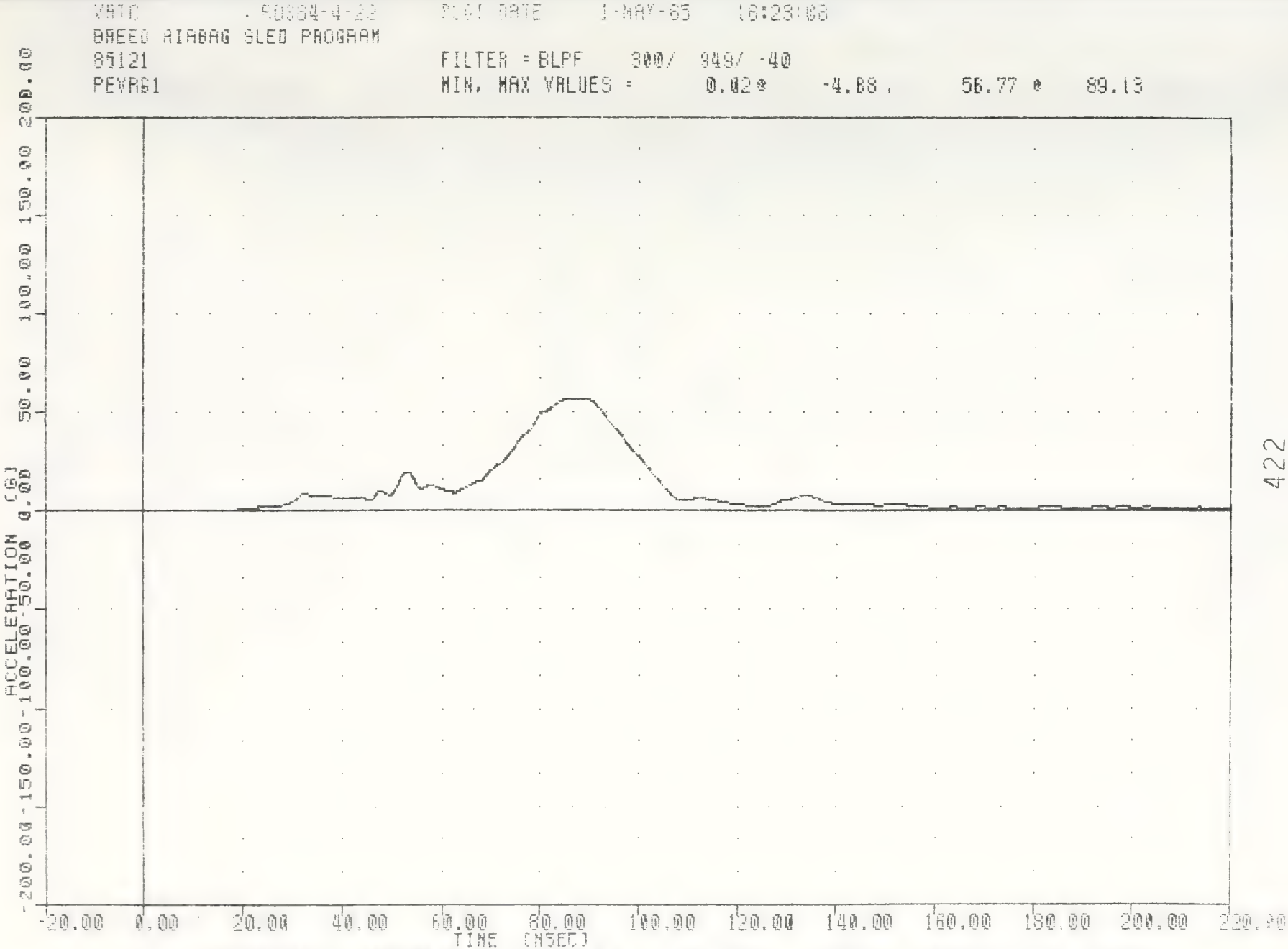


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

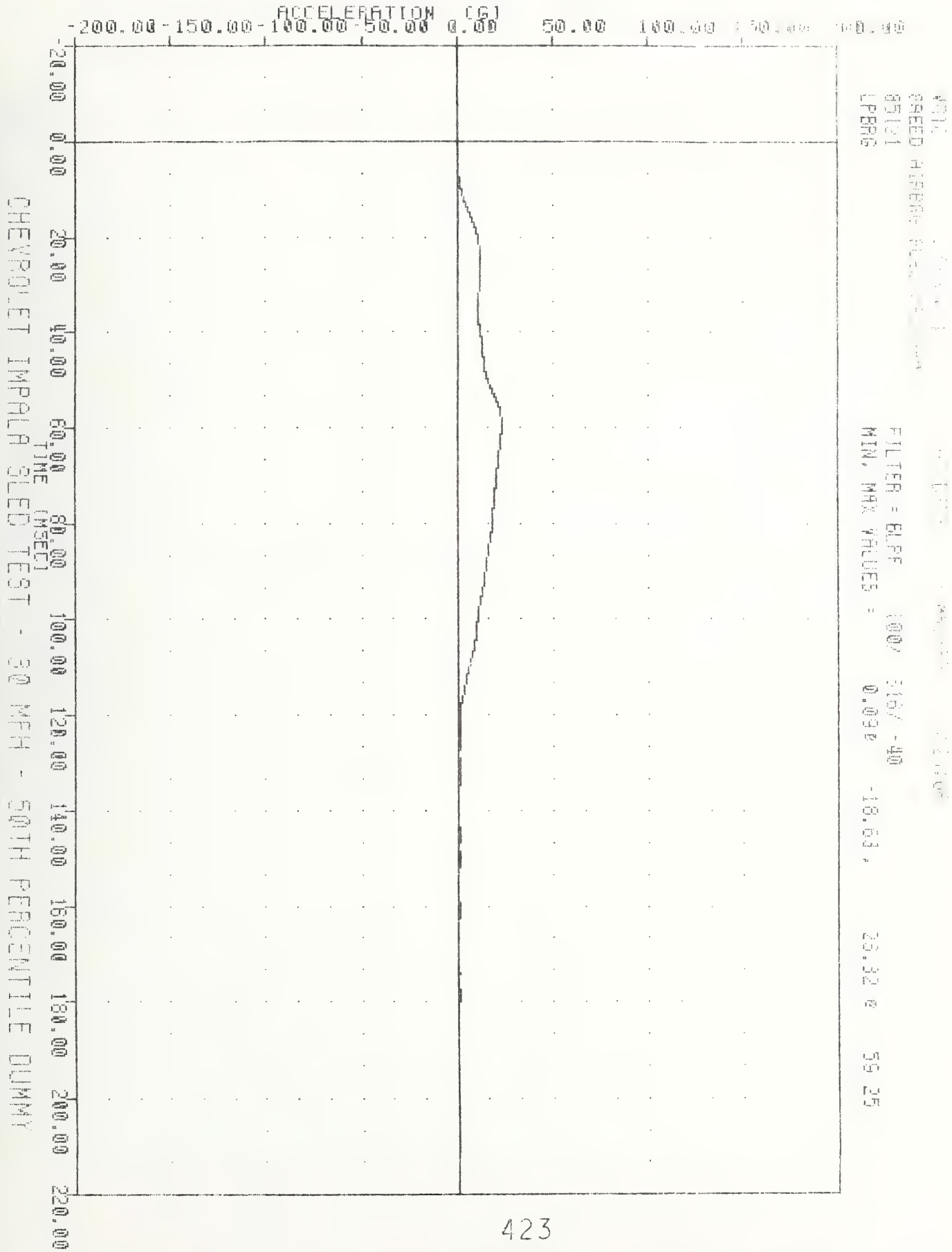


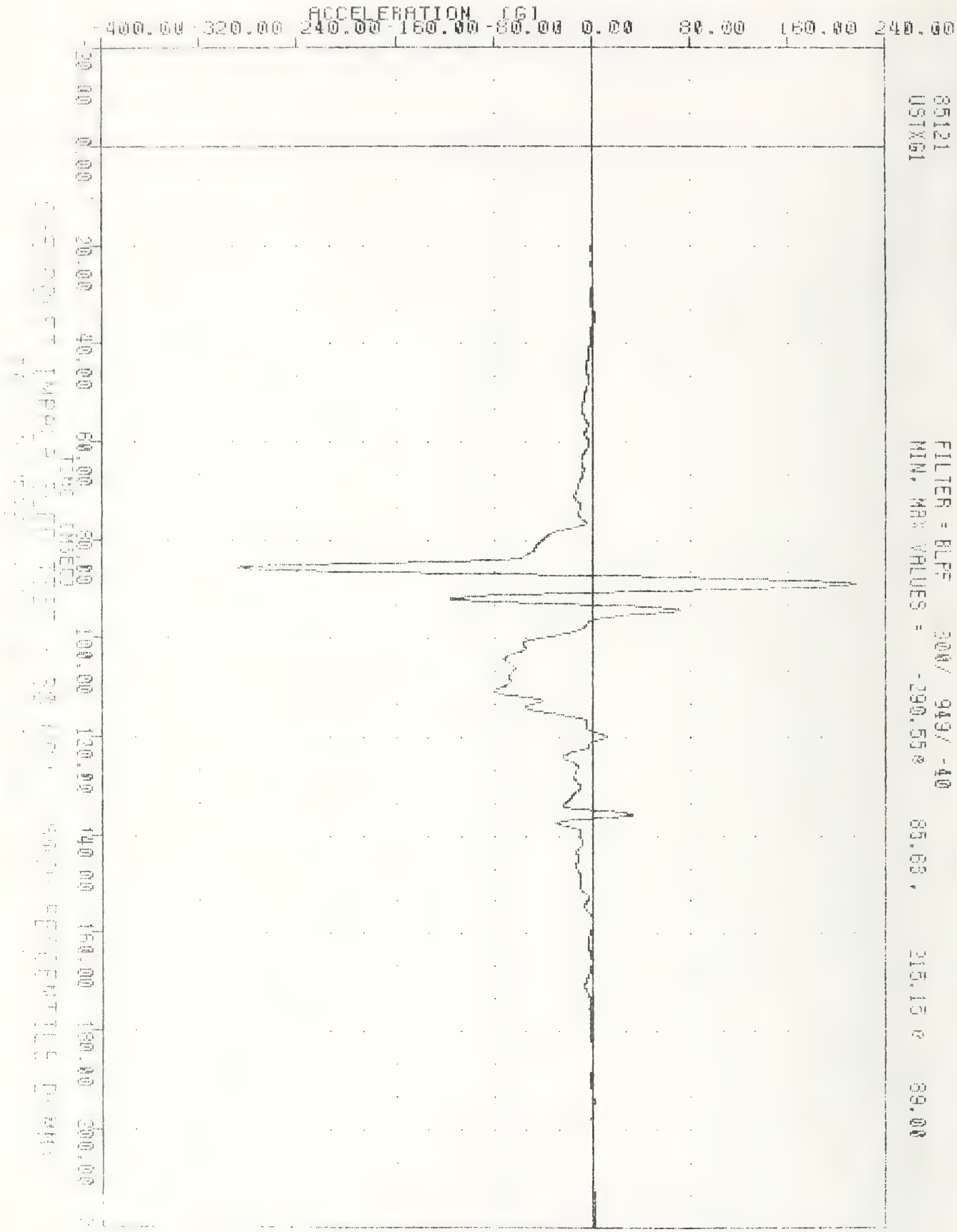
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

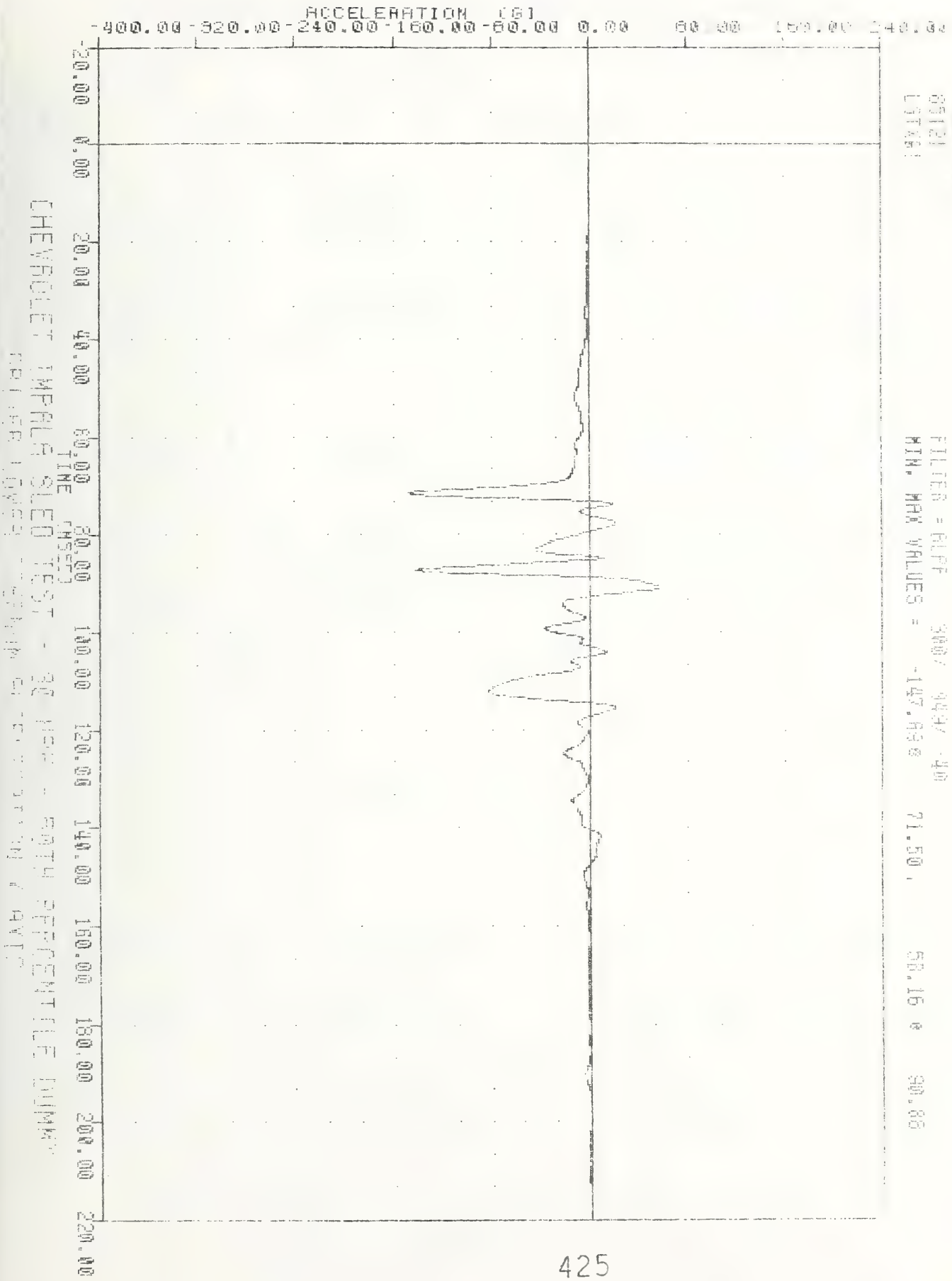
DRIVER CHEST RESULTANT

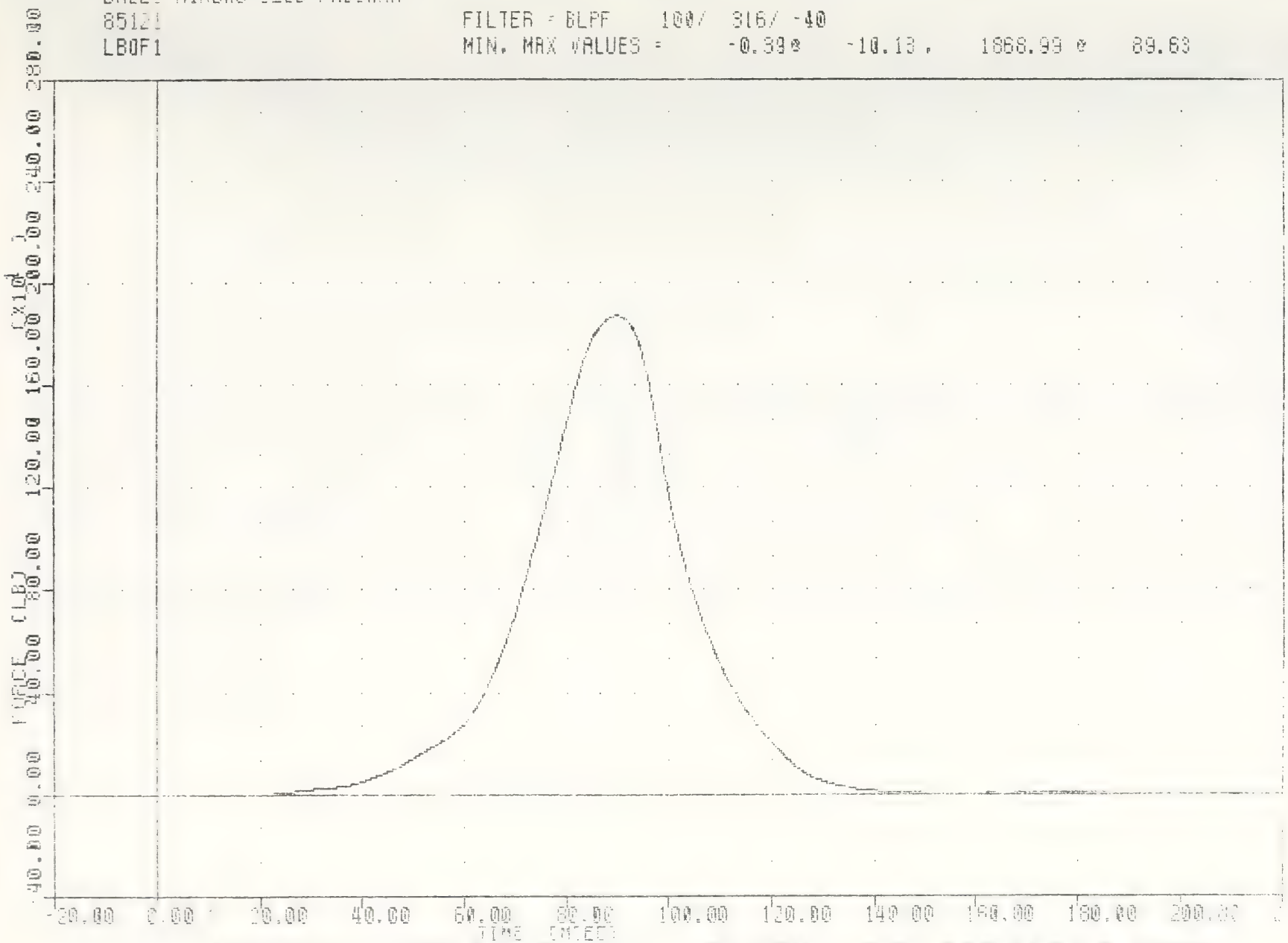


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY


ACCELERATION [G]
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
FILTER = BLPF 1000 2100 -40
MIN, MAX VALUES = 0.030 -18.63
29.32 0 59.25


ACCELERATION (G)
-400.00 -320.00 -240.00 -160.00 -80.00 0.00 80.00 160.00 240.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME (MSEC)
WRTC
BREED AIRBAG SLED PROGRAM
85121
USTX61
PLOT DATE
FILTER = BLPF
MIN, MAX VALUES = -190.55@ 85.68,
200/ 940/ -40
213.15 @ 88.00


ACCELERATION (G)
-400.00 -320.00 -240.00 -160.00 -80.00 0.00
TIME (MSEC)
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
FILTER = OFF
MIN. MAX VALUES = -147.030 71.500


BREED AIRBAG SLED PROGRAM
85121
LBOF1
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -0.39@ -10.13 , 1868.99 @ 89.63
FORCE (LB)
TIME (MSEC)
-40.00
0.00
40.00
80.00
120.00
160.00
200.00
240.00
280.00
-20.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00

TRC430P.RAD;1
VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM 2-MAY-85 13:27
85122 35.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.059 @ 12.750	1.604 @ -13.875 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-39.171 @ 125.000	0.191 @ 0.000 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.802 @ 56.125	0.948 @ 130.625 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-156.691 @ 85.750	10.573 @ 218.125 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-45.911 @ 103.625	0.610 @ 218.875 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-0.827 @ 24.250	87.121 @ 102.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-56.369 @ 89.250	8.560 @ 220.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-18.459 @ 111.125	3.041 @ 220.000 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-11.663 @ 97.875	9.261 @ 74.250 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-59.352 @ 87.625	8.225 @ 218.750 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-48.418 @ 84.375	4.020 @ 220.000 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-33.411 @ 80.750	2.389 @ 161.250 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-6.292 @ 48.500	8.265 @ 95.750 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-31.220 @ 80.875	2.291 @ 220.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-279.213 @ 35.750	106.402 @ 95.750 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-451.625 @ 48.500	388.298 @ 85.000 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-25.626 @ 59.250	0.815 @ 132.250 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-2.039 @ 120.750	2.366 @ 33.875 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-1.456 @ 119.625	1.269 @ 73.125 msec	g	BLPF 100/ 316/ -40
20	SHBF1	-0.512 @ -15.000	2506.801 @ 86.625 msec	lb	BLPF 100/ 316/ -40
21	LBOF1	-0.086 @ -10.625	1427.409 @ 83.375 msec	lb	BLPF 100/ 316/ -40
22	ABT3	-0.005 @ -7.000	2.341 @ 23.750 msec	volt	ALPF 1650/ 5214/ -40
23	ABT4	-0.494 @ 137.875	2.138 @ 74.250 msec	volt	ALPF 1650/ 5214/ -40

TRC430IP.RAD;1
VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM 2-MAY-85 13:27
85122 35.00 mph

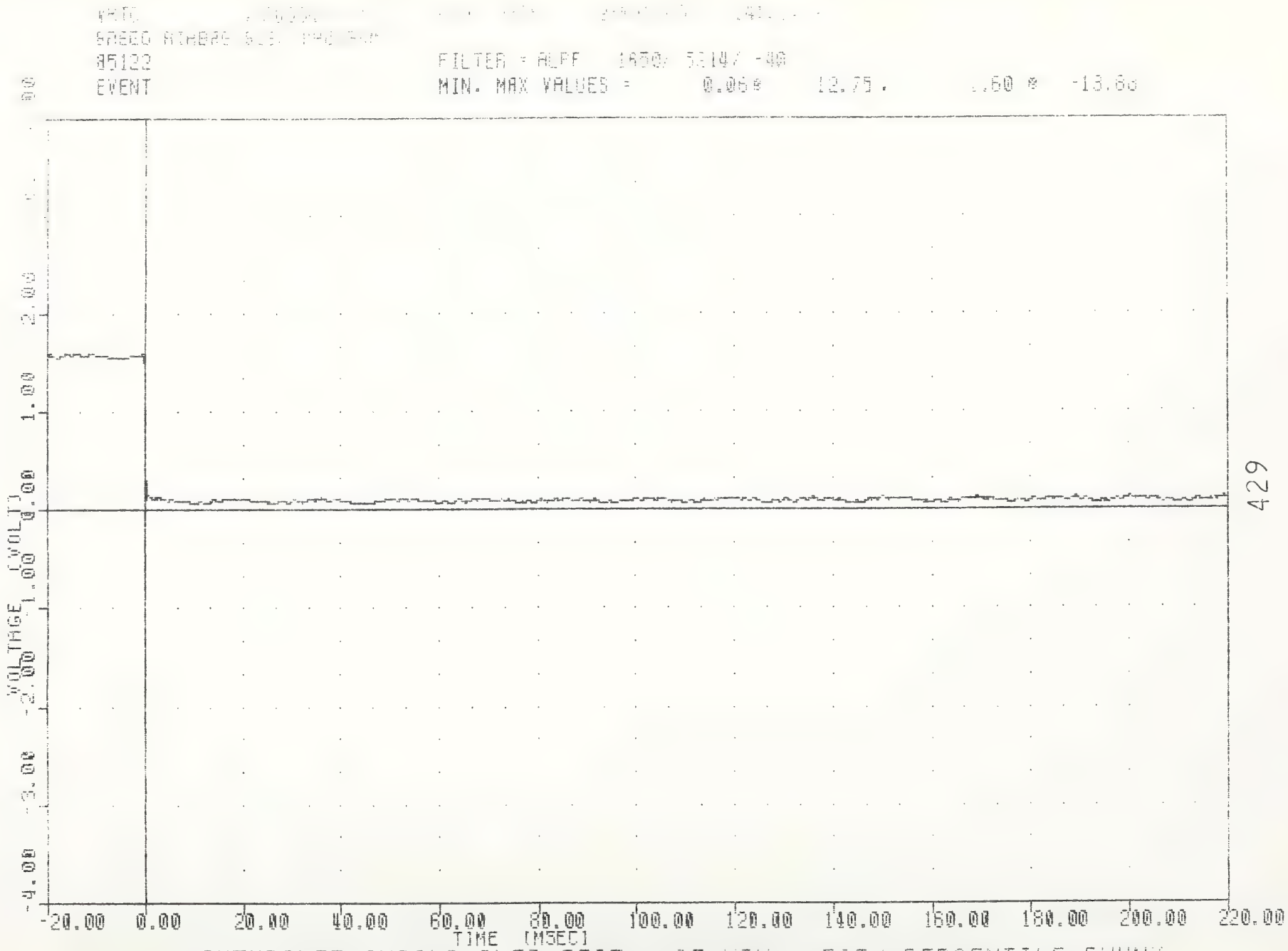
		Min value	Max value	Data Units	Filter
1	HEDXV1	-43.729 @ 154.125	0.238 @ 46.875 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-60.875 @ 220.000	-0.036 @ -20.000 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-43.795 @ 207.000	-0.032 @ -10.625 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-69.000 @ 220.000	-0.018 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-26.874 @ 109.750	0.041 @ 0.625 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-45.761 @ 220.000	0.025 @ 10.000 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-38.757 @ 123.500	0.020 @ -20.000 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-72.805 @ 220.000	0.013 @ -7.500 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-37.970 @ 125.500	0.009 @ -11.875 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-70.335 @ 220.000	0.001 @ -8.875 msec	in	BLPF 300/ 949/ -40

TRC430RP.RAD;1
VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM 2-MAY-85 13:27
85122 35.00 mph

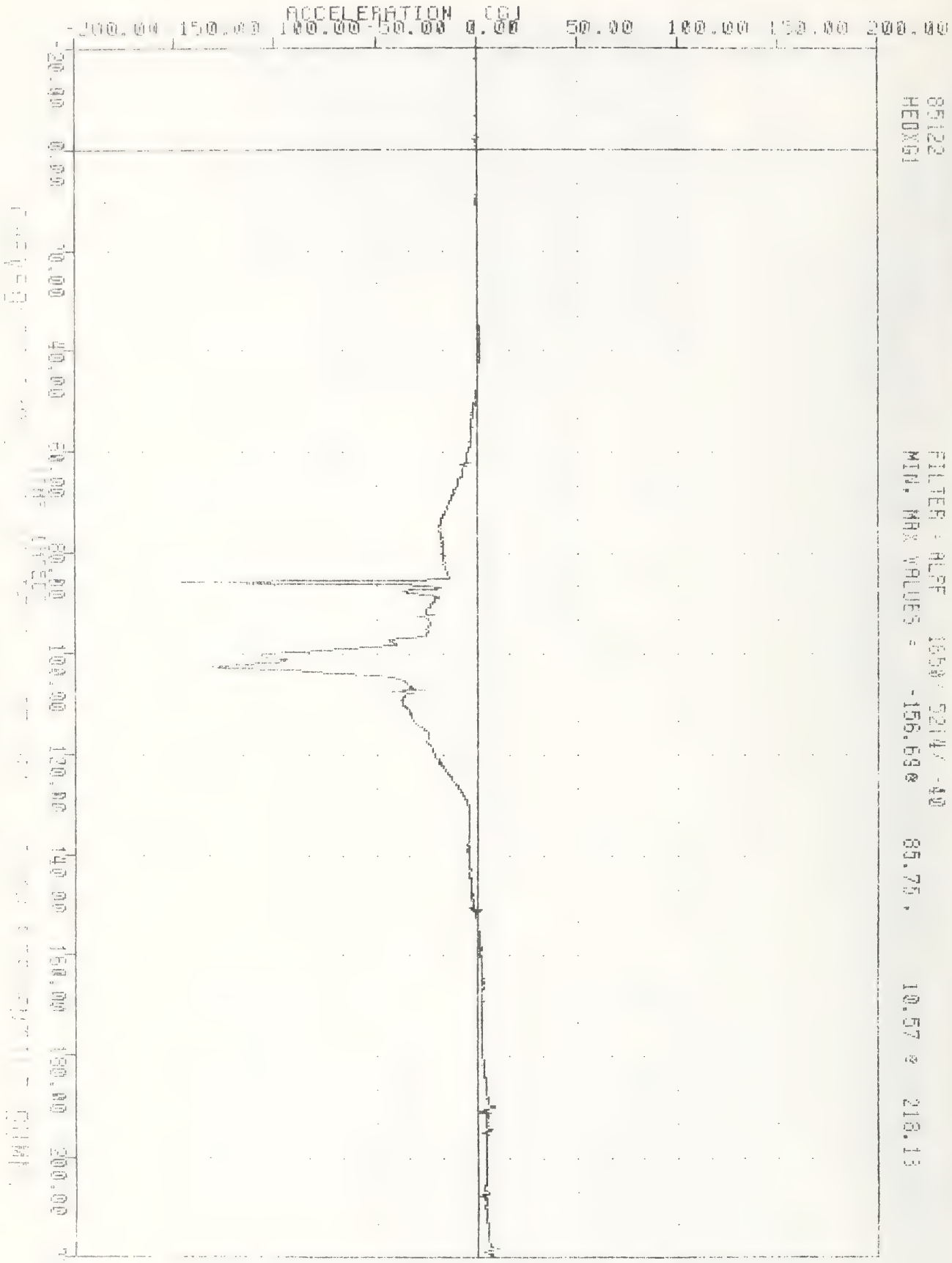
		Min value	Max value	Data Units	Filter
1	HEDRG1	0.030 @ -15.500	168.332 @ 85.750 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.067 @ -4.375	58.316 @ 89.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.043 @ -15.625	45.736 @ 80.750 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.079 @ -17.125	25.642 @ 59.125 msec	g	BLPF 100/ 316/ -40

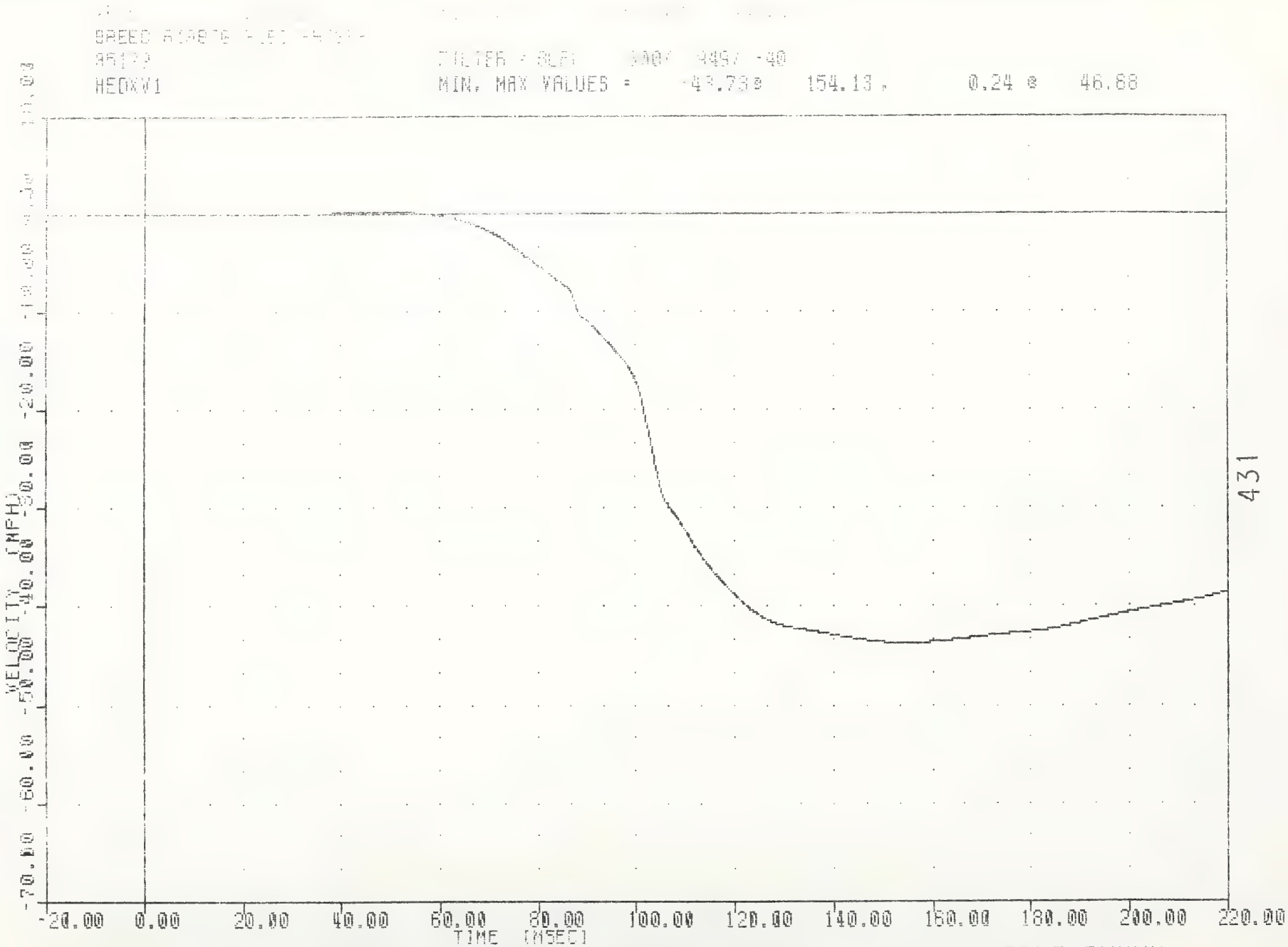
```
                              HEDRG1

* * *   HIC computation for [SLED.BREED]TRC430RP.RAD;1        2-MAY-85 13:45:47

HEDRG1      VRTC        RD384-4-23  85122        BREED AIRBAG SLED PROGRAM

   Using time range =   0.000 to 220.000 msec     Peak accel = 168.33 @  85.750

HIC = 1137.60     Interval from  74.000 [ 753] to 117.500 [1101]

HIC =  820.96     Interval from  90.875 [ 888] to 105.875 [1008]
```

```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC430RP

File TRC430RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-23  BREED AIRBAG SLED PROGRAM        35.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC430RP.RAD;1                                VRTC        RD384-4-23
BREED AIRBAG SLED PROGRAM        35.0 mph      85122          2-MAY-85 13:46:52
Deltax: 0.125

3 MS CLIP PEAK:    51.14685

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```



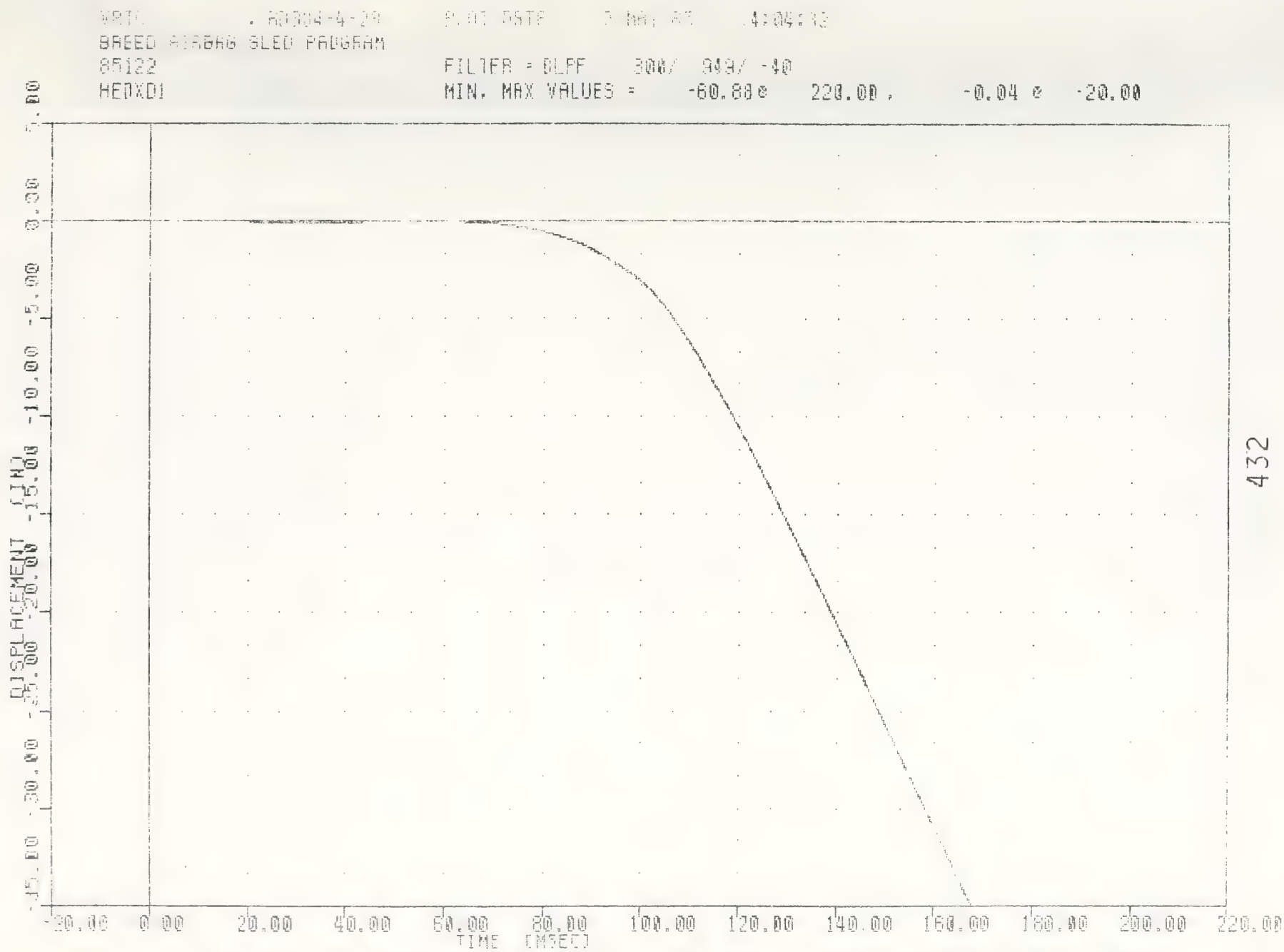
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

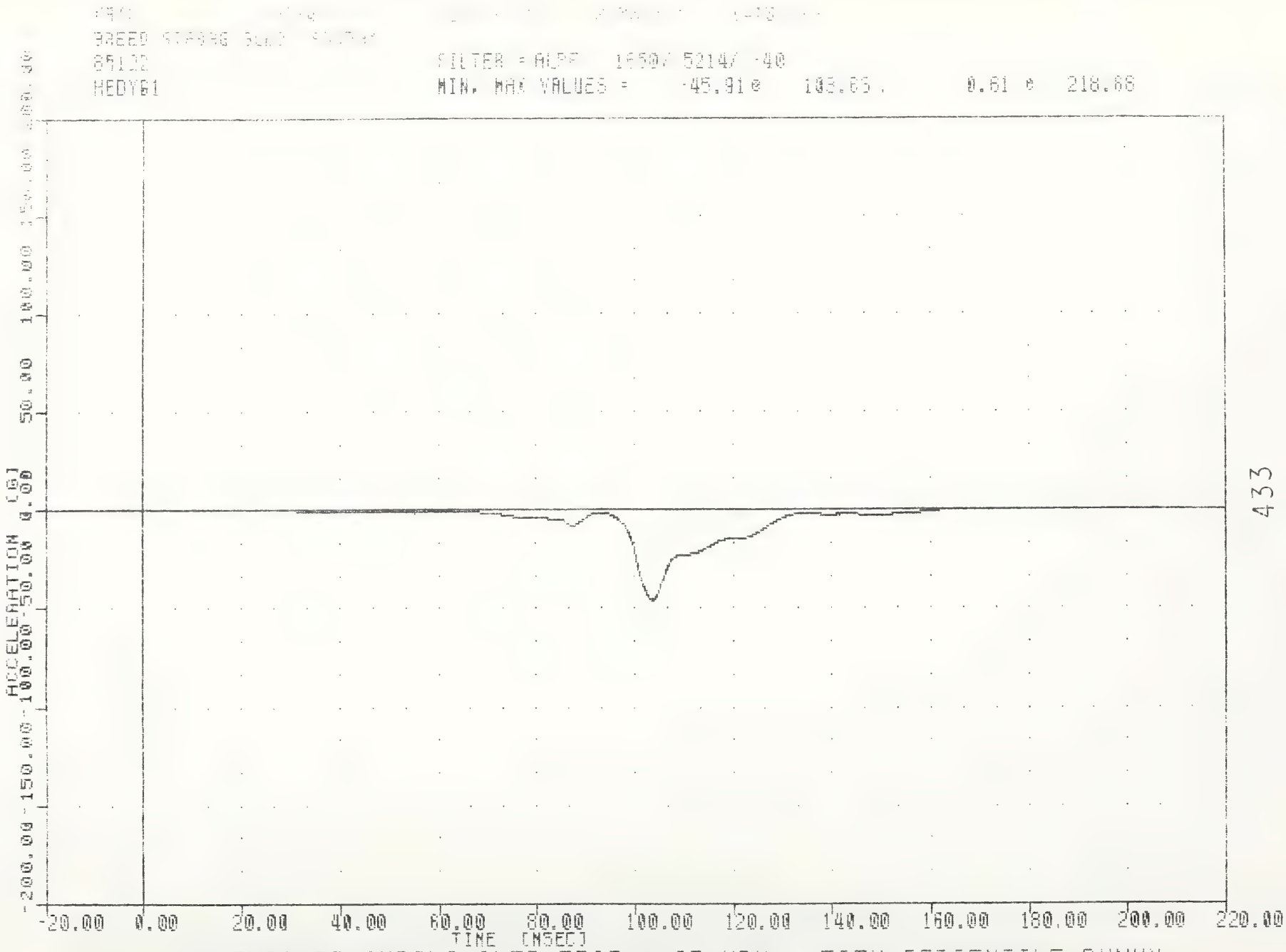

ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 100.00 110.00 120.00 130.00 140.00 150.00 160.00 170.00 180.00 190.00 200.00
FILTER - ALFF 1650/ 5214/ -10
MIN. MAX VALUES = -156.69@ 85.75,
10.57 @ 218.13
85122
HEOXG1



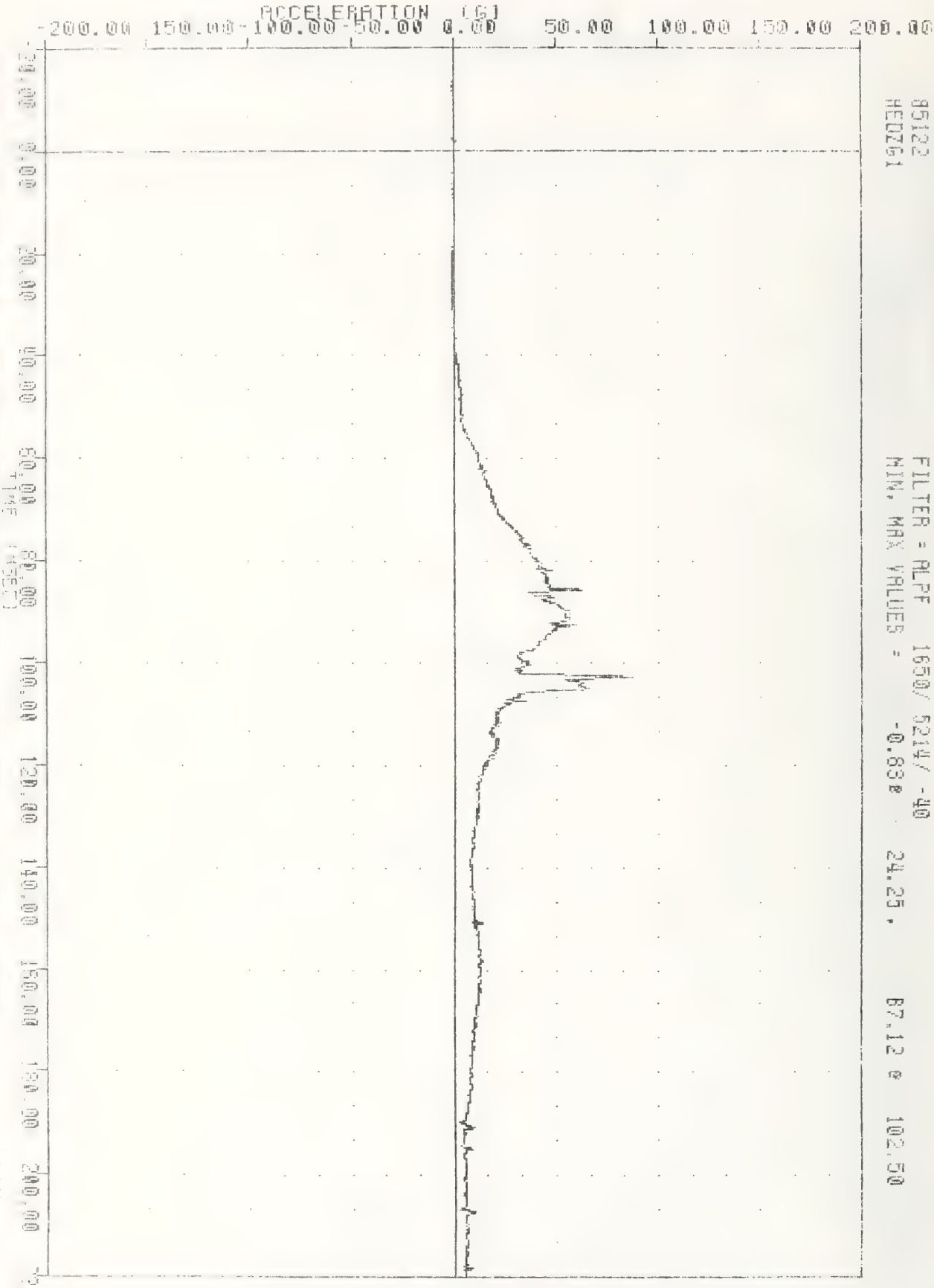
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

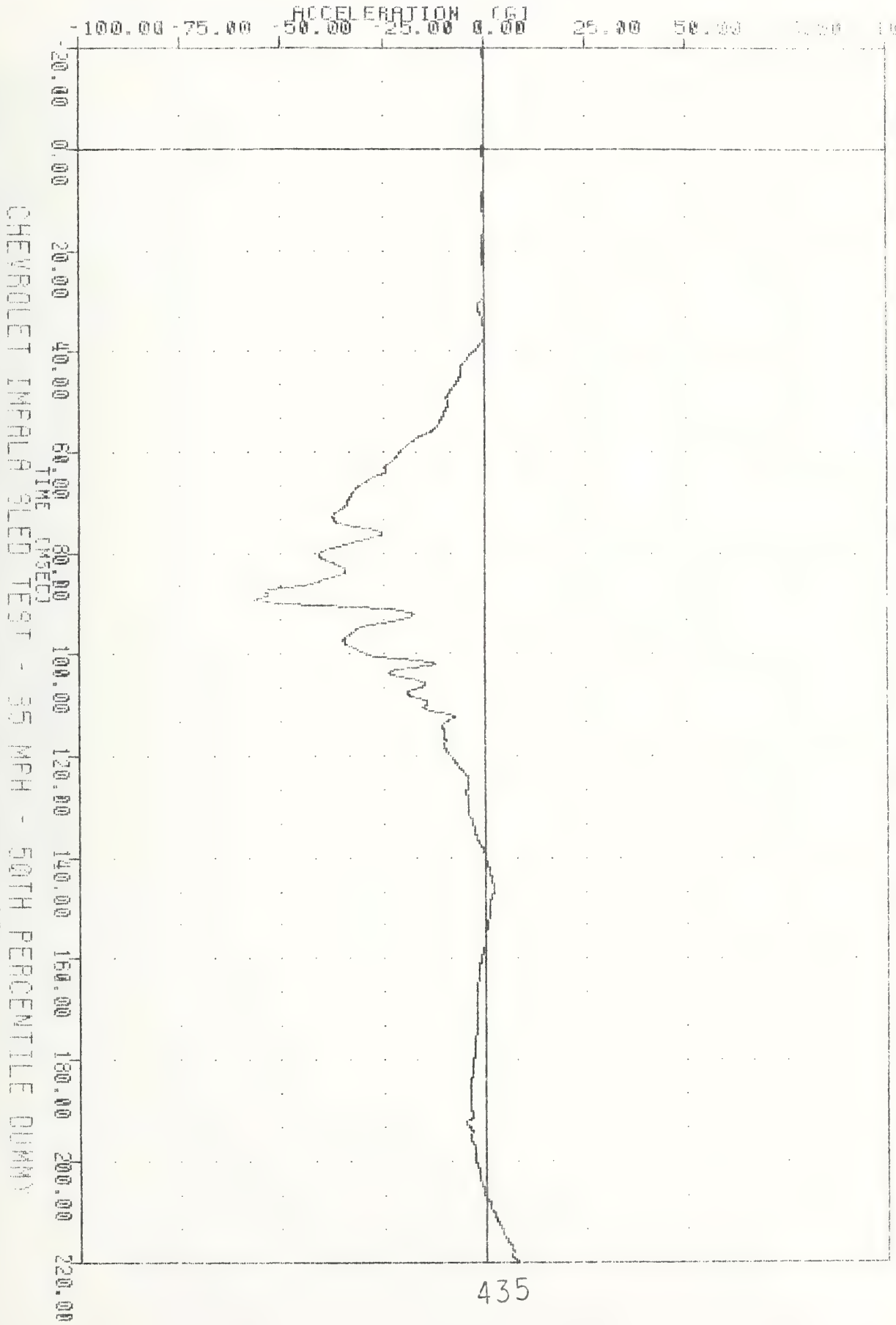
DELTA V USING HEDXW1

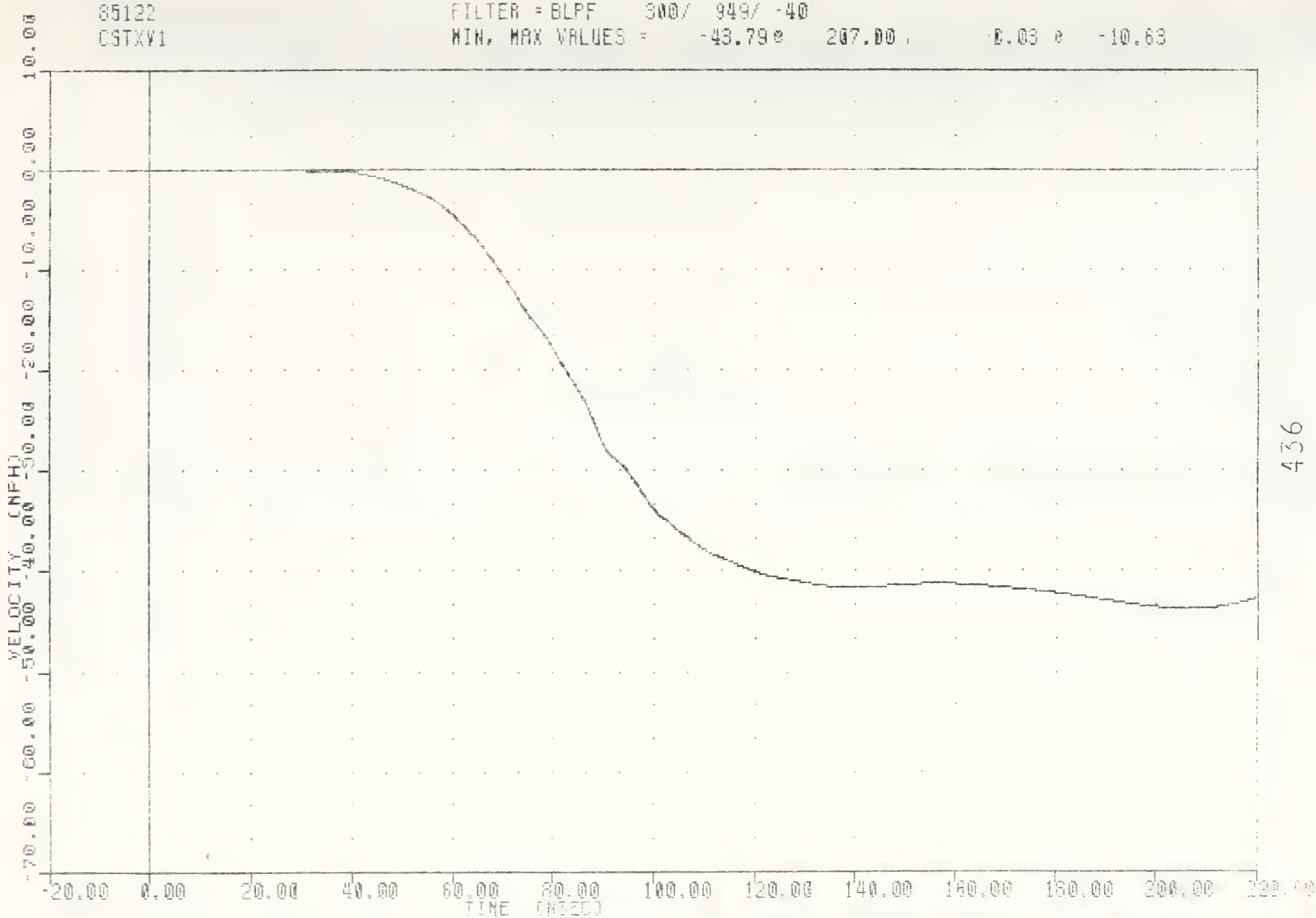

BREED AIRBAG SLED PROGRAM
85122
HEDXD1
FILTER = DLPF 300/ 948/ -40
MIN. MAX VALUES = -60.880 220.00 , -0.04 @ -20.00
DISPLACEMENT (IN)
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME (MSEC)



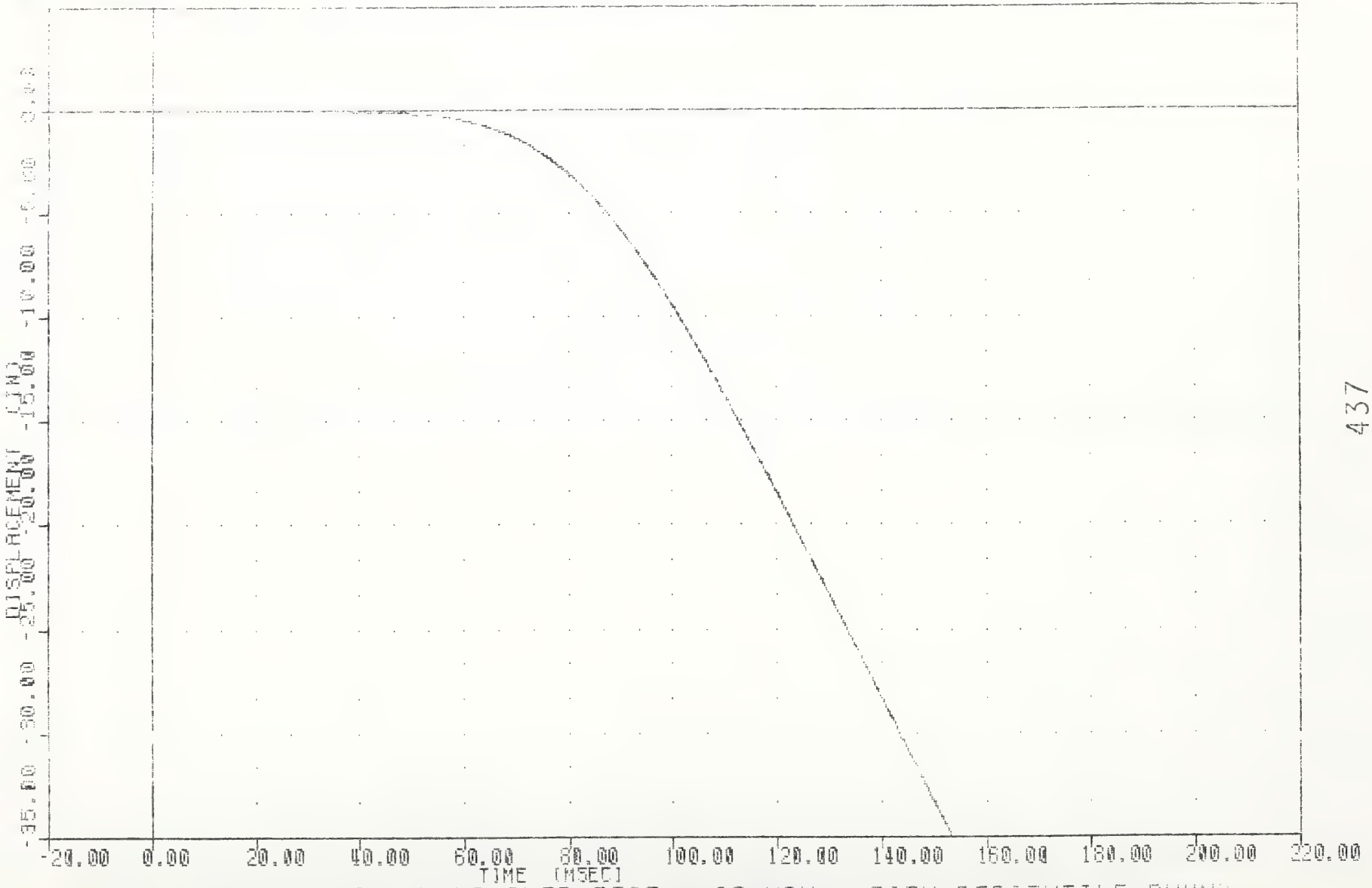
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION - PVIS


ACCELERATION (G)
-200.00 150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -0.83@ 24.25, 87.12 @ 102.50
TIME (MSEC)
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00


ACCELERATION [G]
-100.00 -75.00 -50.00 -25.00 0.00 25.00 50.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST - DECELERATION , G'S
FILTER - CLASS 60
MIN, MAX VALUES :
-56.578 89.25 , 3.56 @ 120.00

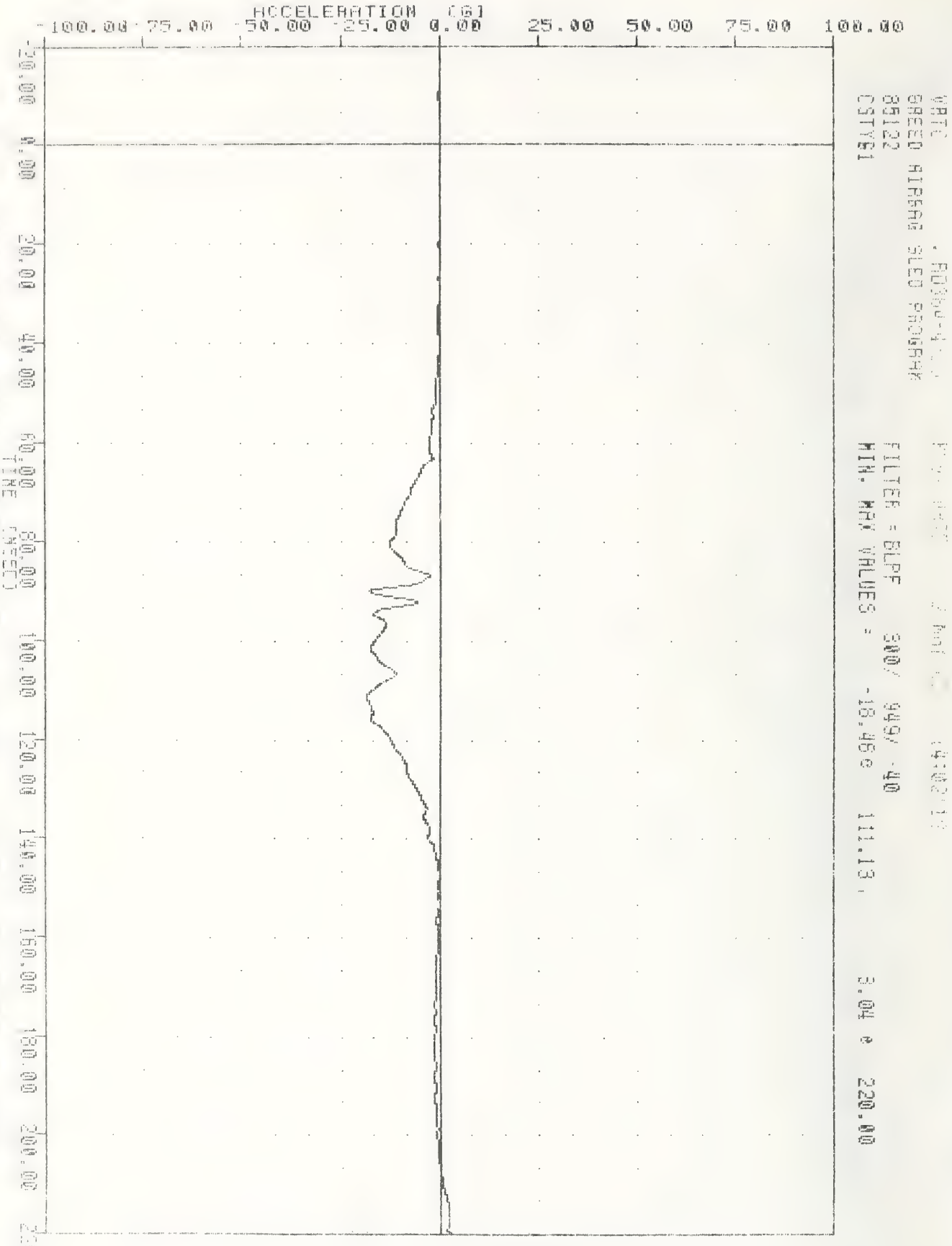


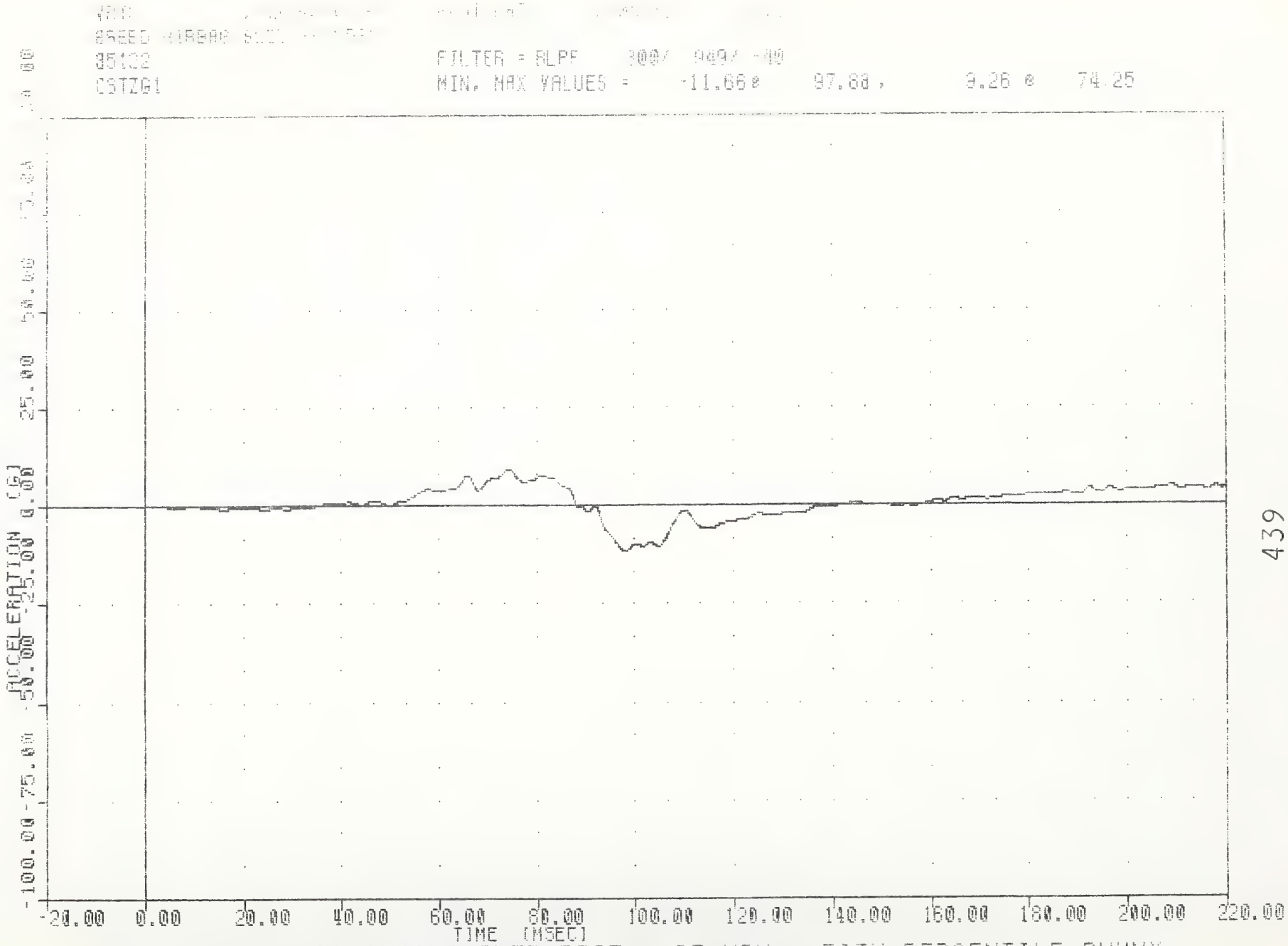
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

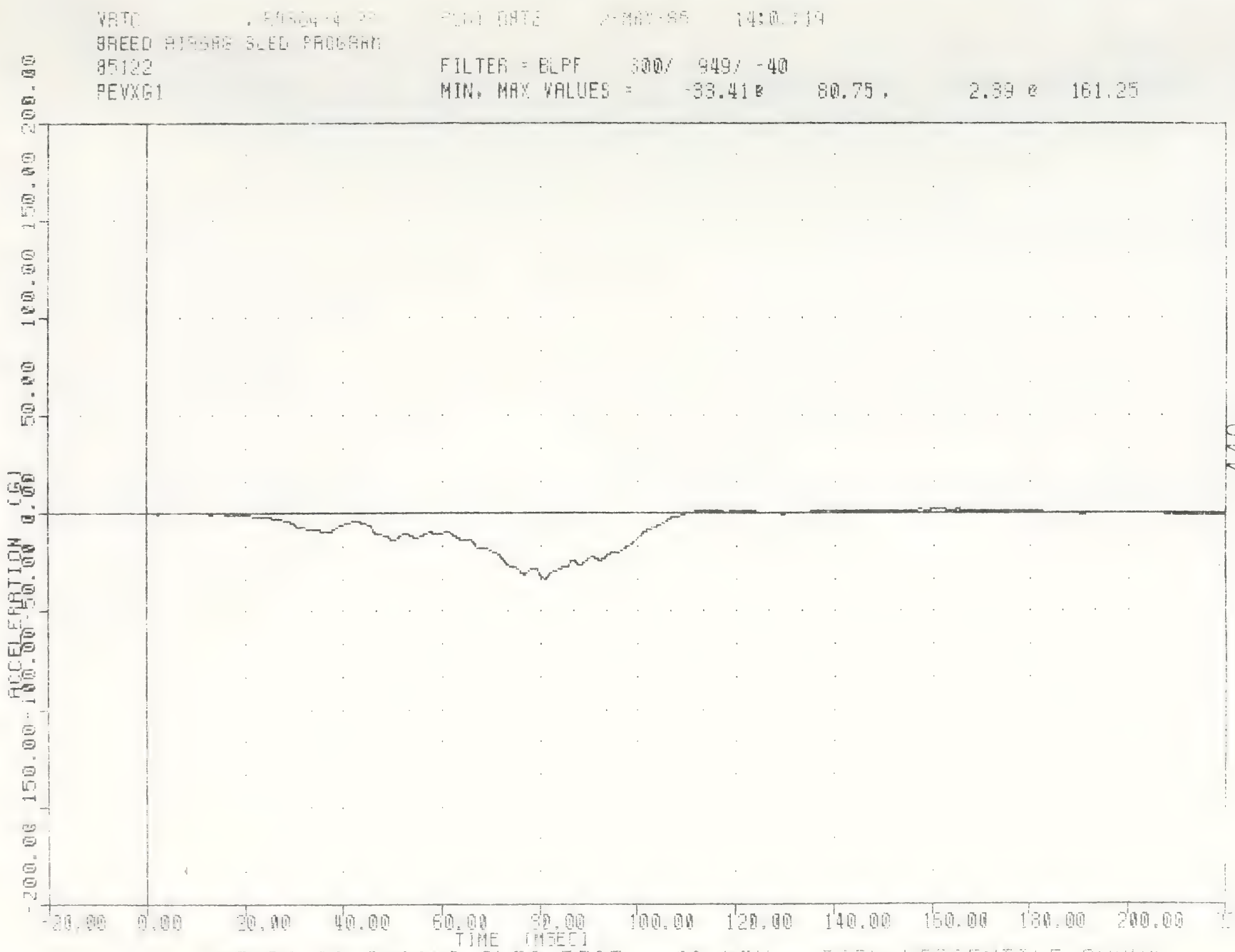
DELTA X USING CSTXD1

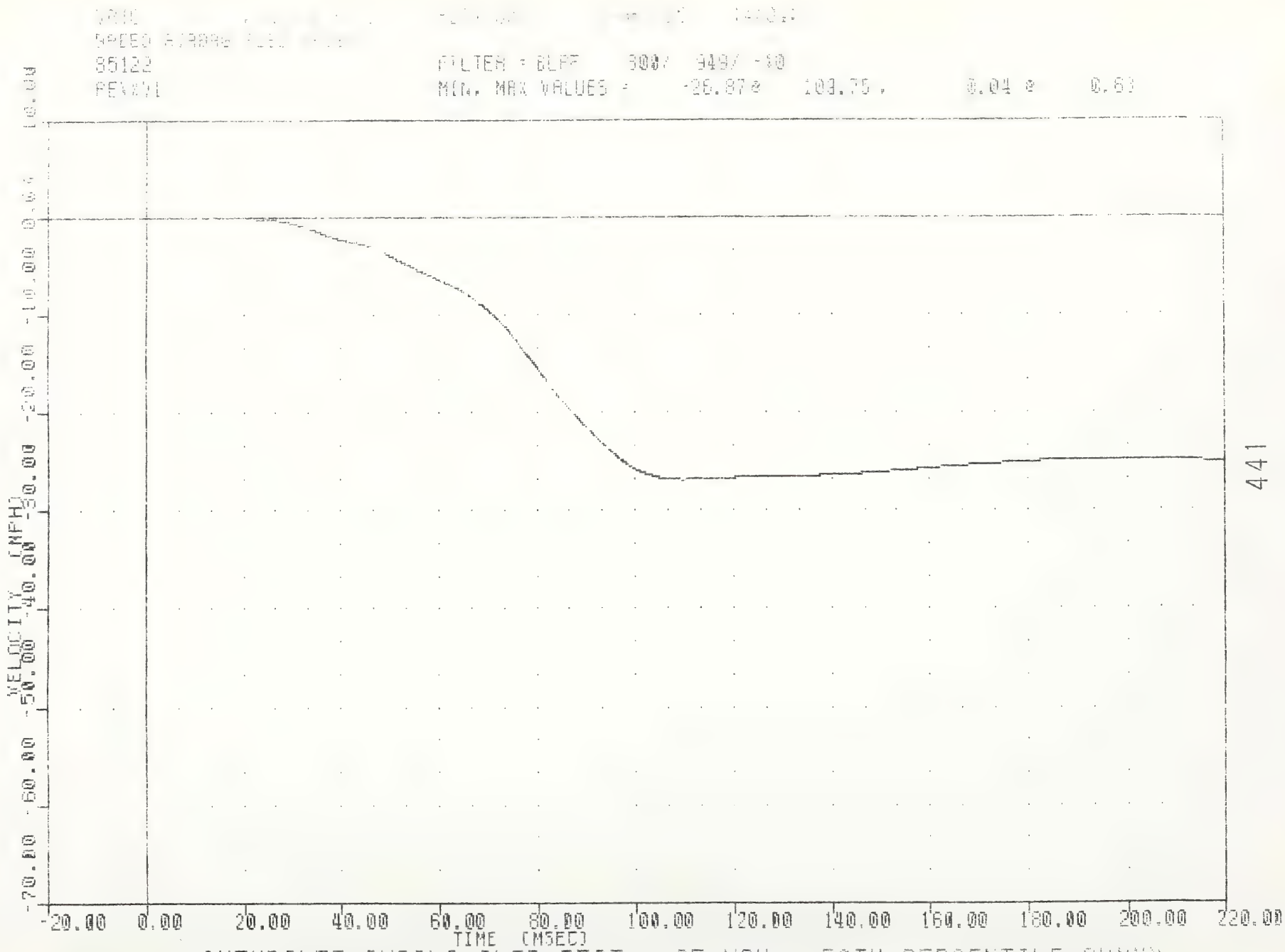

ACCELERATION (G)
-100.00 -75.00 -50.00 -25.00 0.00 25.00 50.00 75.00 100.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (SEC)
FILTER = BLPF 300/ 999/ -40
MIN. MAX VALUES = -18.460 111.13
3.04 @ 220.00
SPEED AIRBAG SLED PROGRAM
85122
CSTY61



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

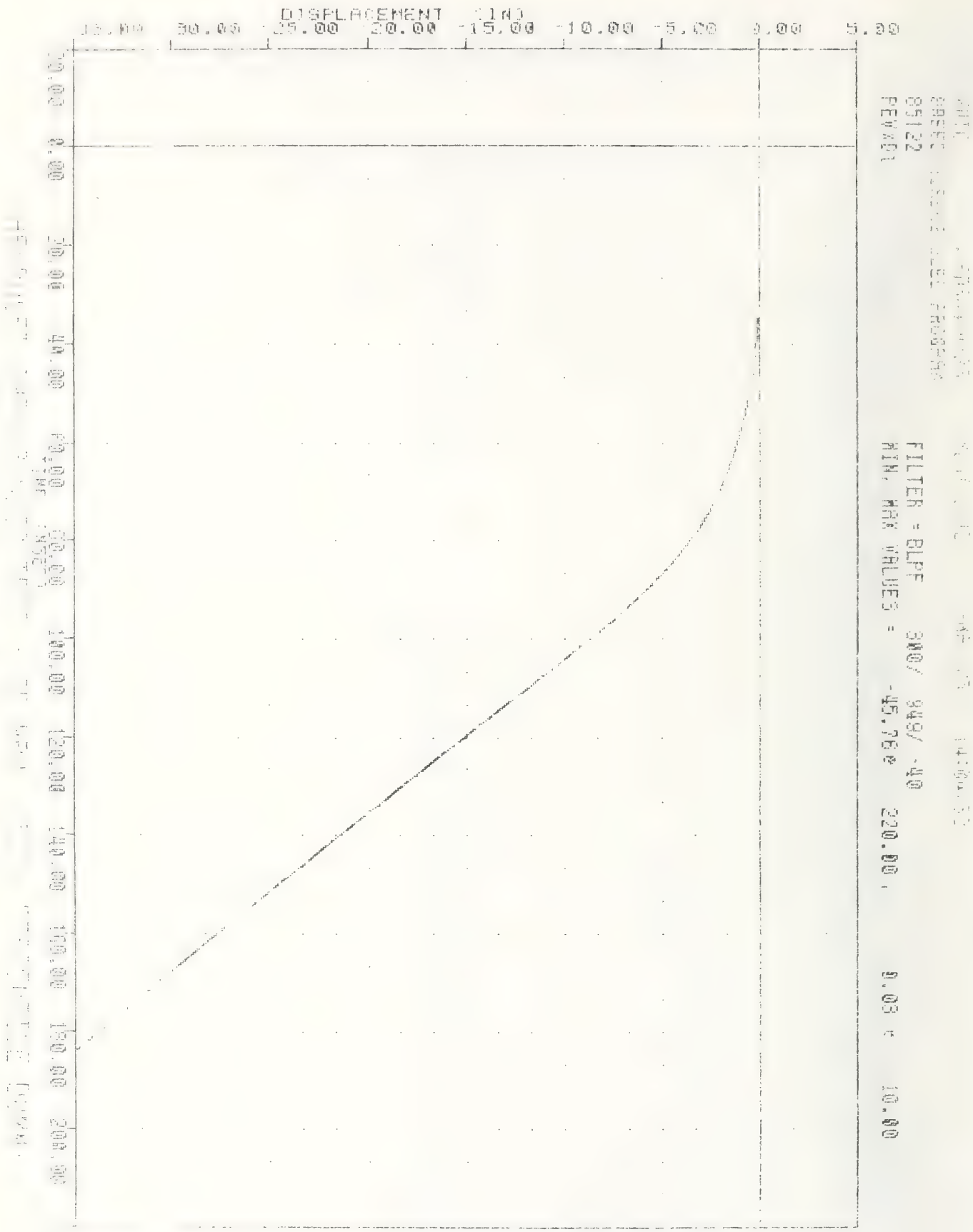
DRIVER CHEST ACCELERATION

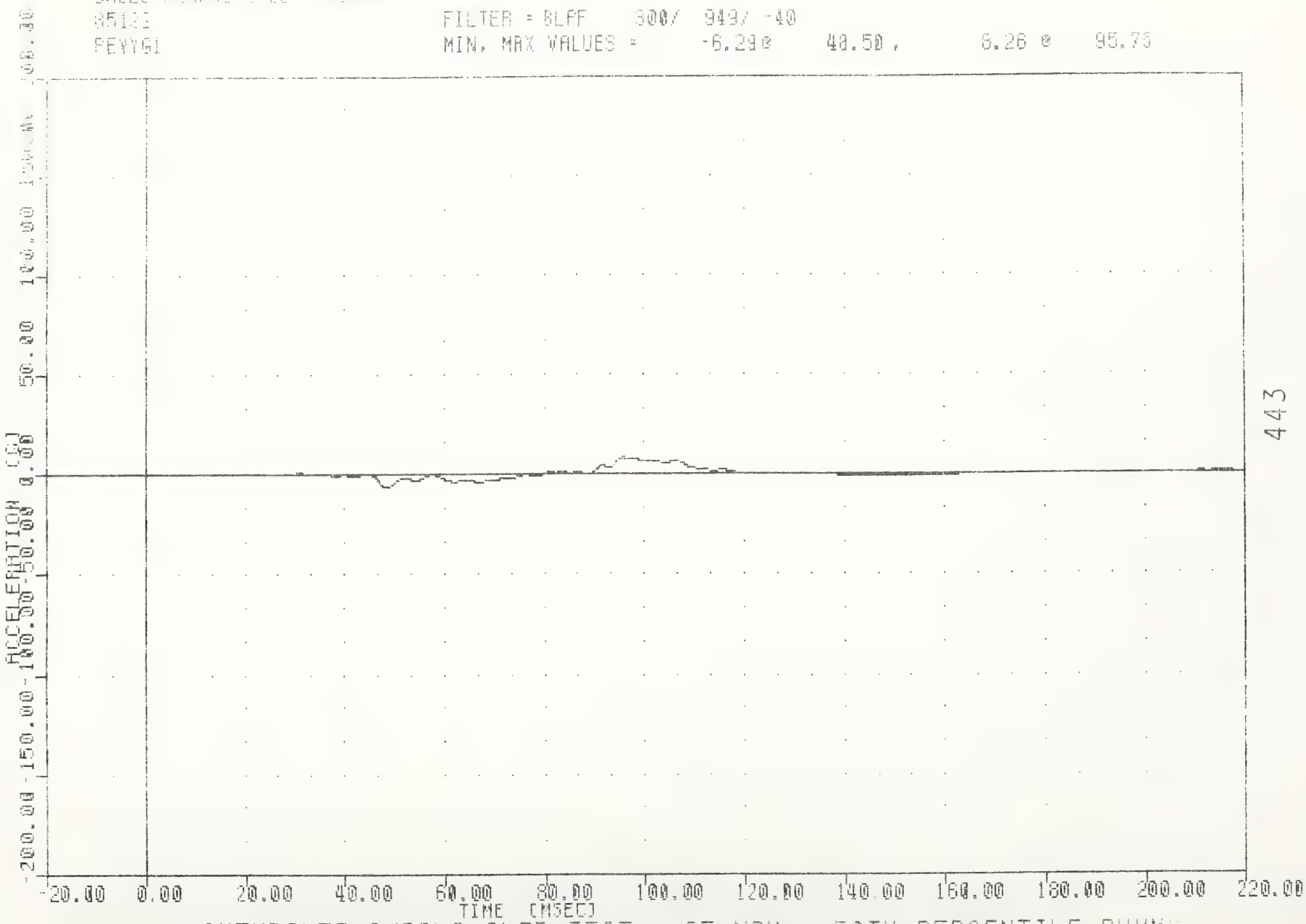

VBTC
BREED AIRBAG SLED PROGRAM
85122
PEVXG1
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -33.41 @ 80.75 , 2.39 @ 161.25
ACCELERATION (G)
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)



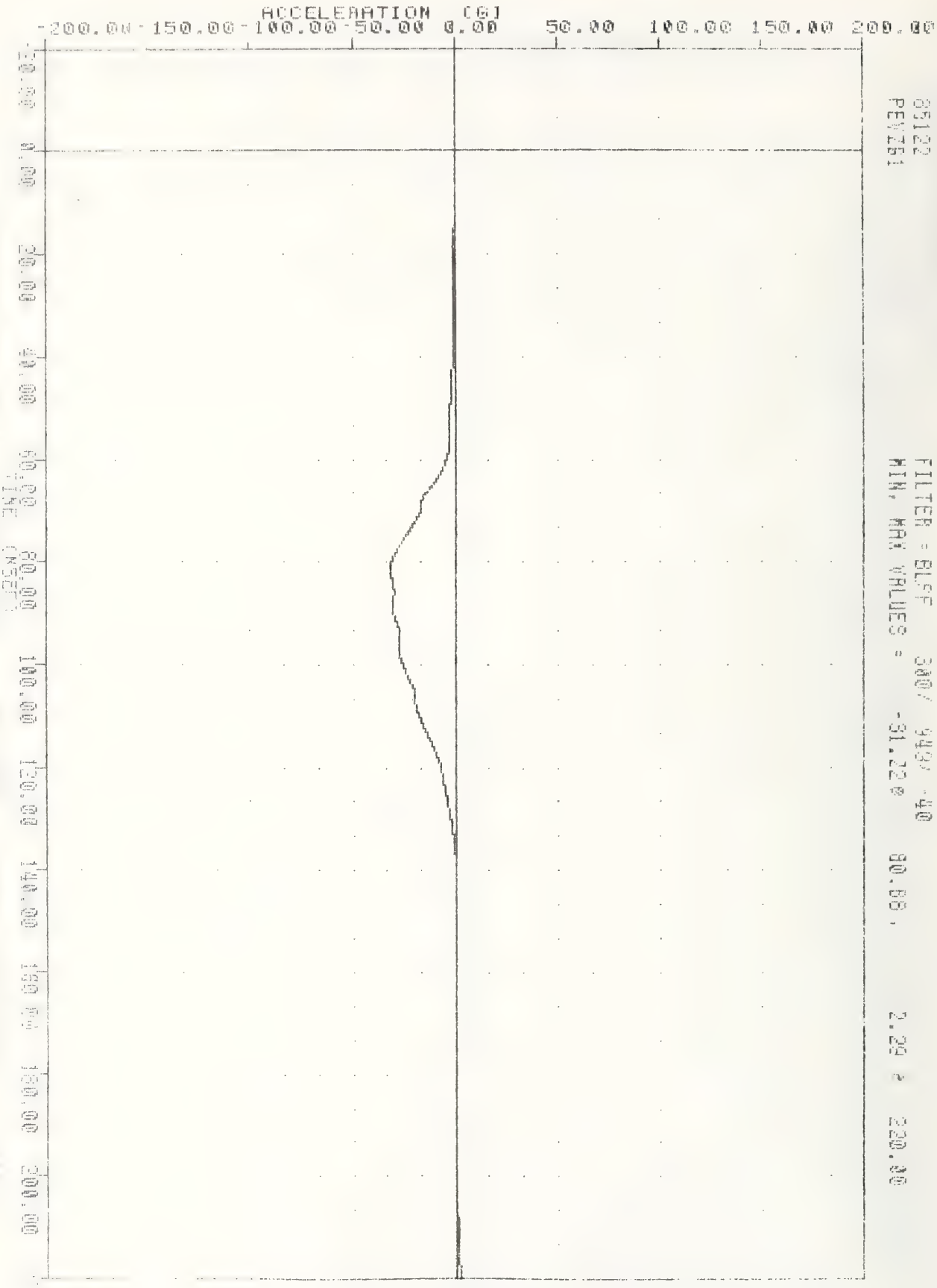
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DELTA V USING PEVXGL


DISPLACEMENT (IN)
35.00 30.00 25.00 20.00 15.00 10.00 5.00 0.00 5.00
85122
PEW001
FILTER = BLPF 300/ 3480/ -40
MIN, MAX VALUES = -45.78@ 220.00 , 0.08 , 10.00
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00

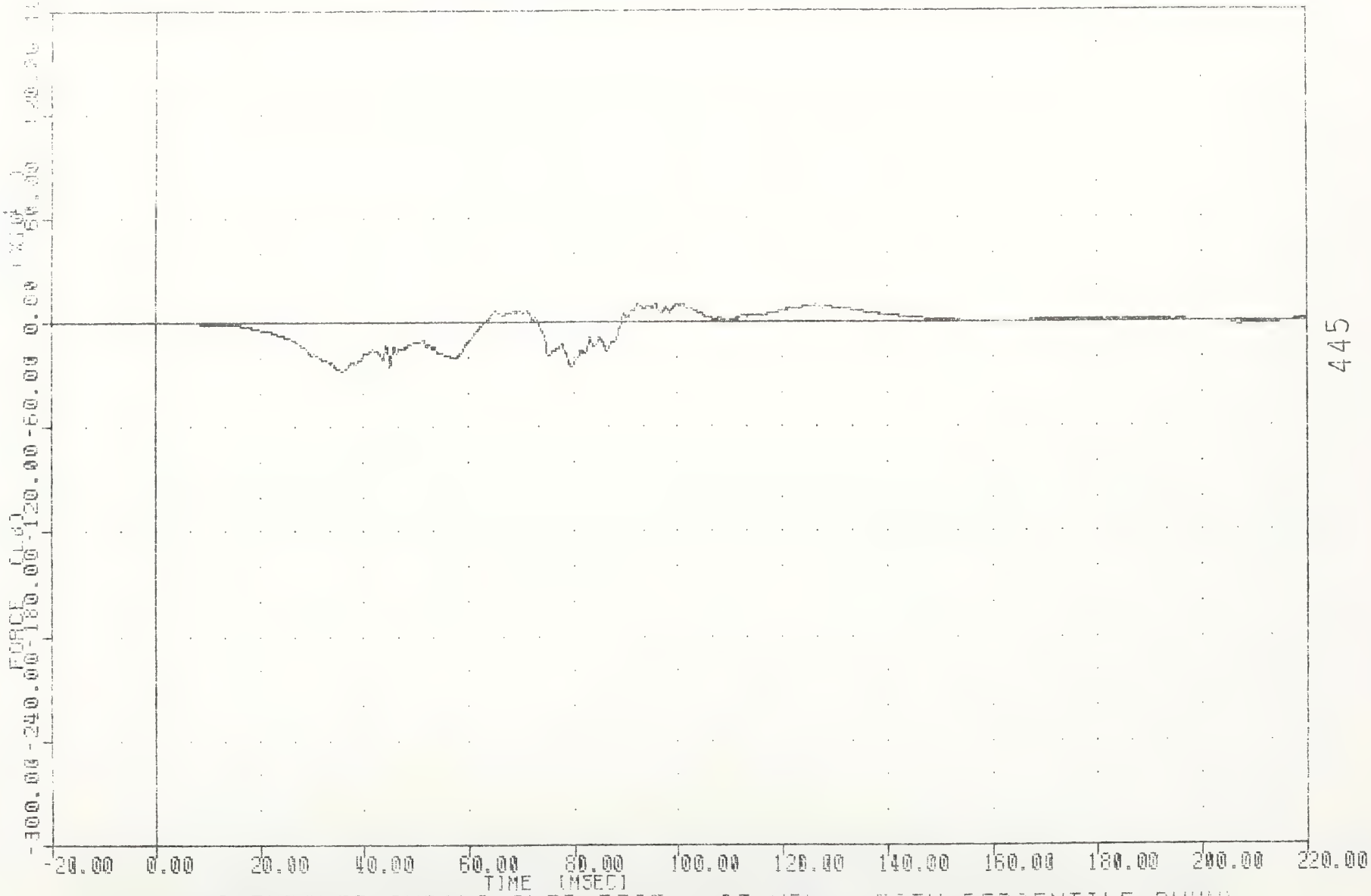


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

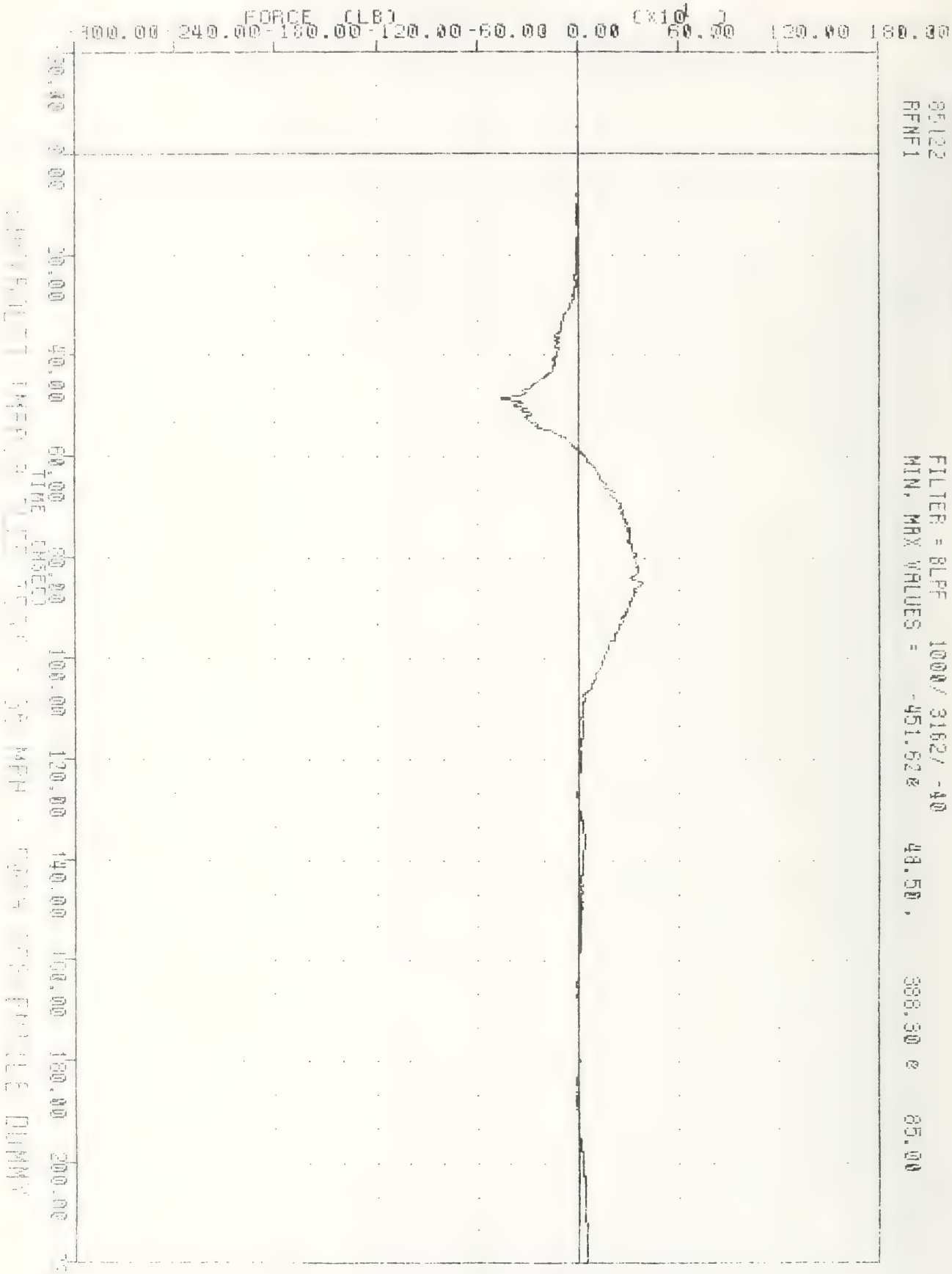

ACCELERATION [G]
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
FILTER = BLSF 300/ 948/ 40
MIN, MAX VALUES = -31.22 @ 80.68,
2.29 @ 220.00
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00

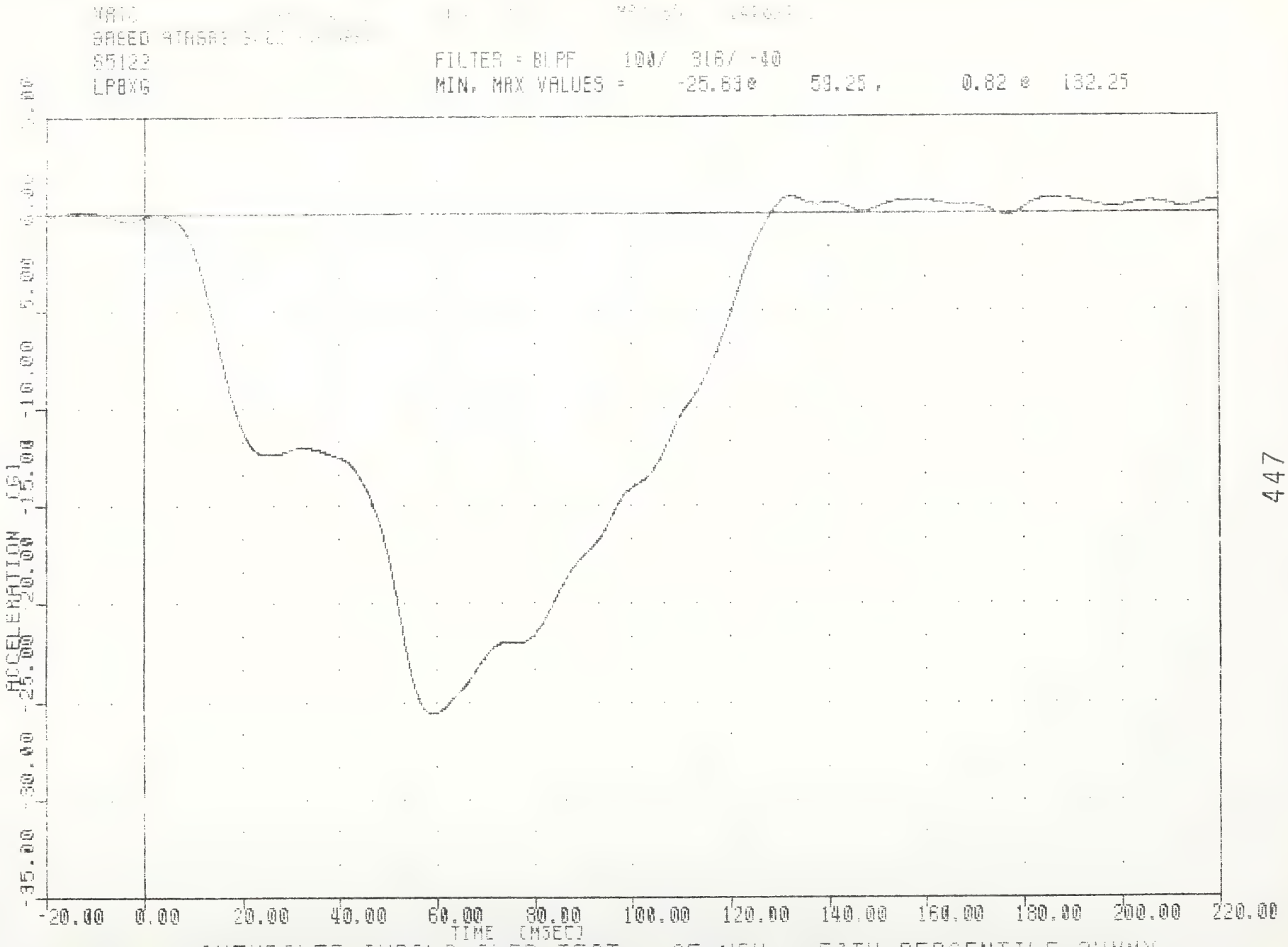
85122
LFMF1

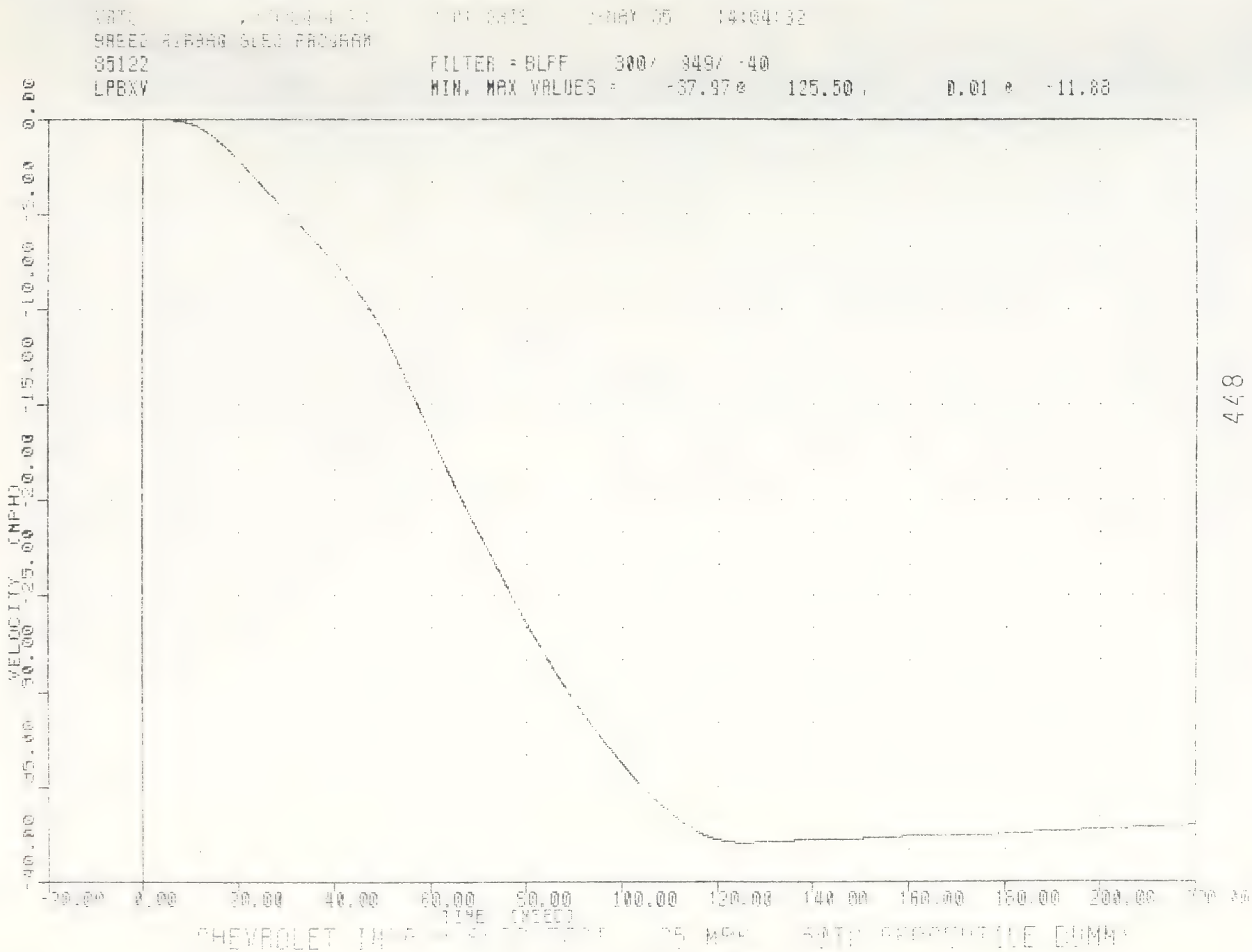
FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -279.21 @ 85.75 , 106.40 @ 95.75

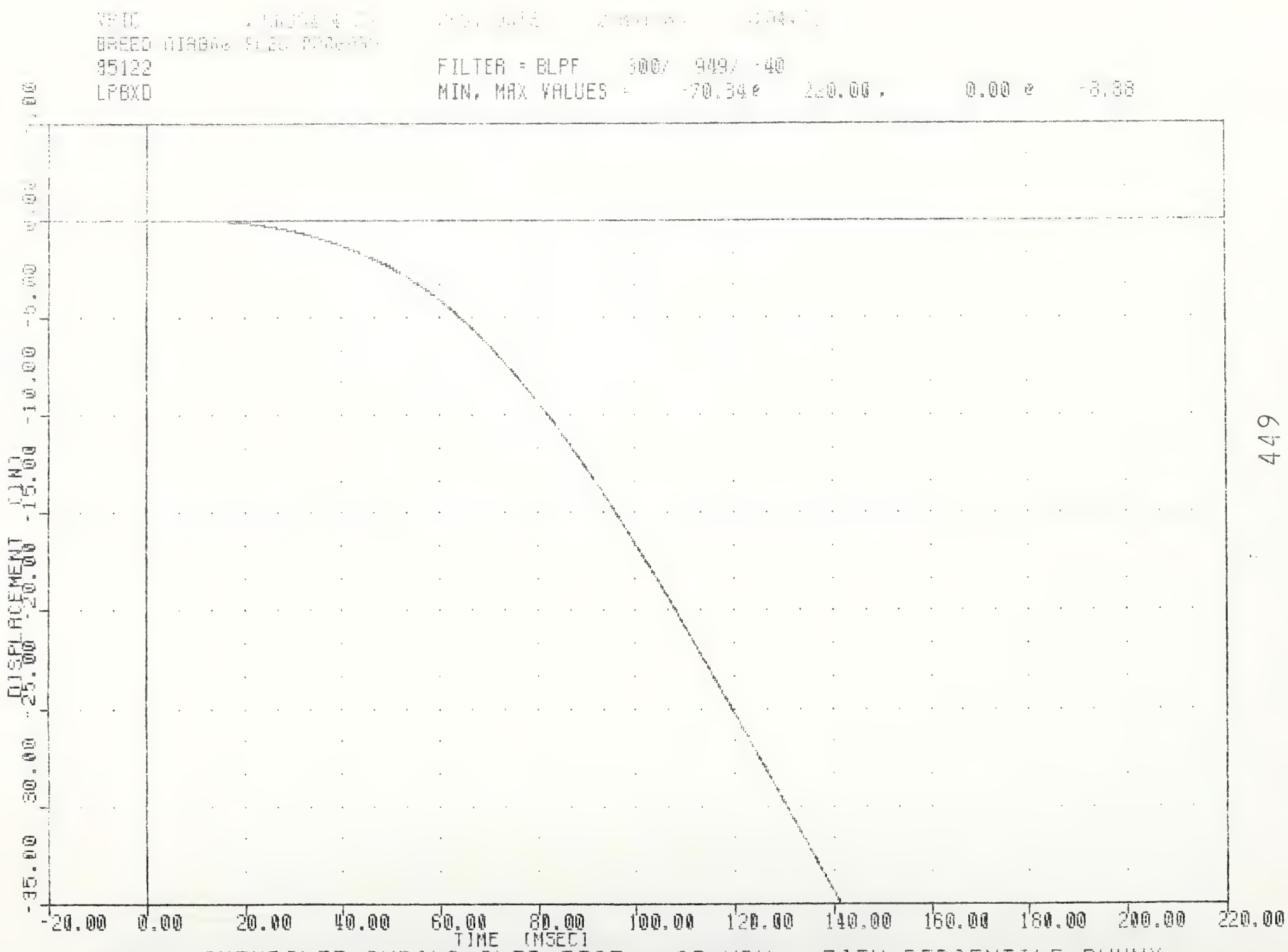


CHEVROLET IMPALA SLED TEST - 35 MPh 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE


FORCE (LB)
(X10)
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00
FILTER = BLPF 100Hz/ 3162/ -40
MIN, MAX VALUES = -451.62@ 48.50, 388.30@ 85.00
TIME (MSEC)
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00

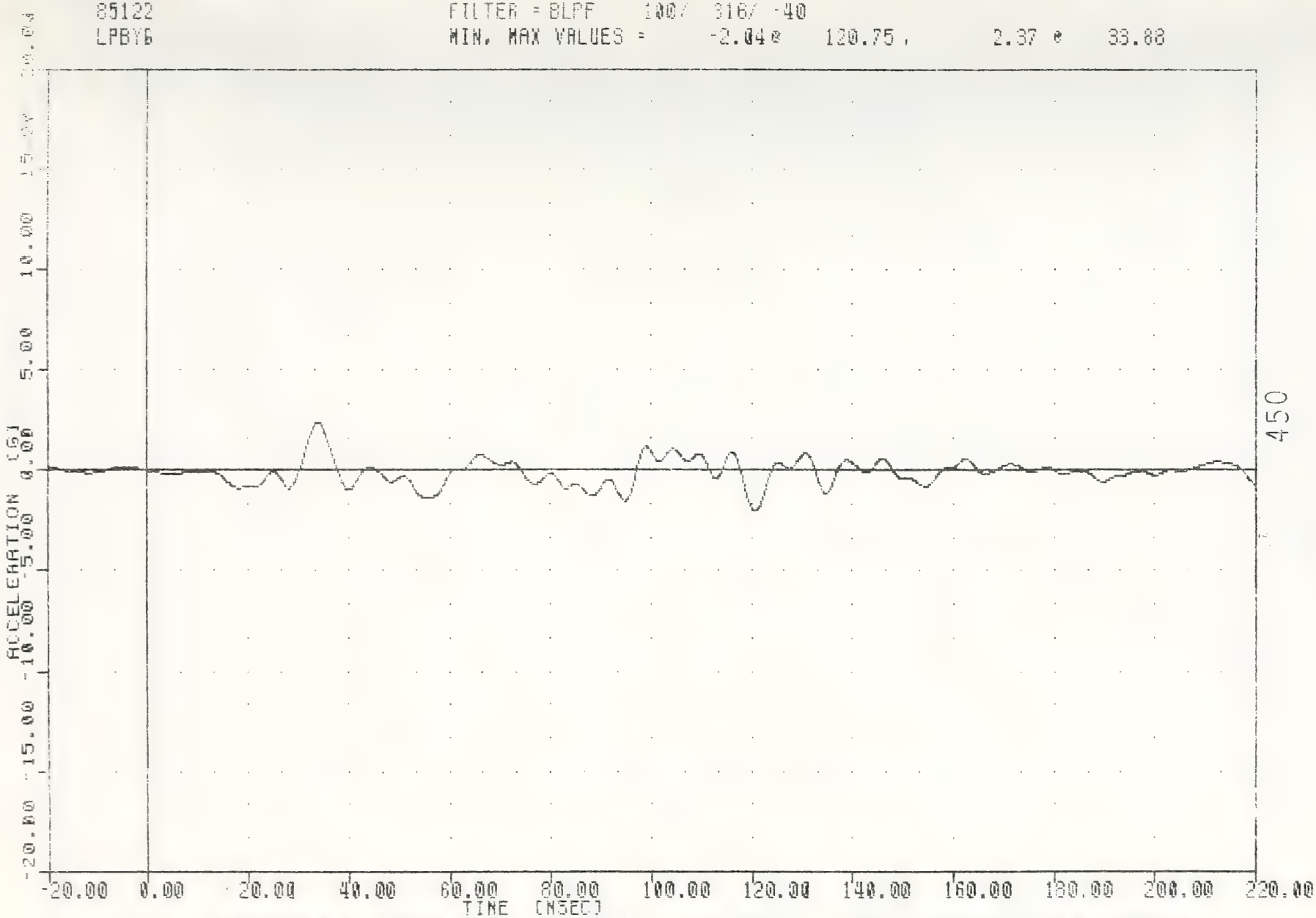

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -25.63@ 59.25 , 0.82 @ 132.25
ACCELERATION (G)
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY


SPEED AIRBAG SLED PROGRAM
85122
LPBXV
FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -37.97@ 125.50 , 0.01 @ -11.88
VELOCITY (MPH)
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
-40.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

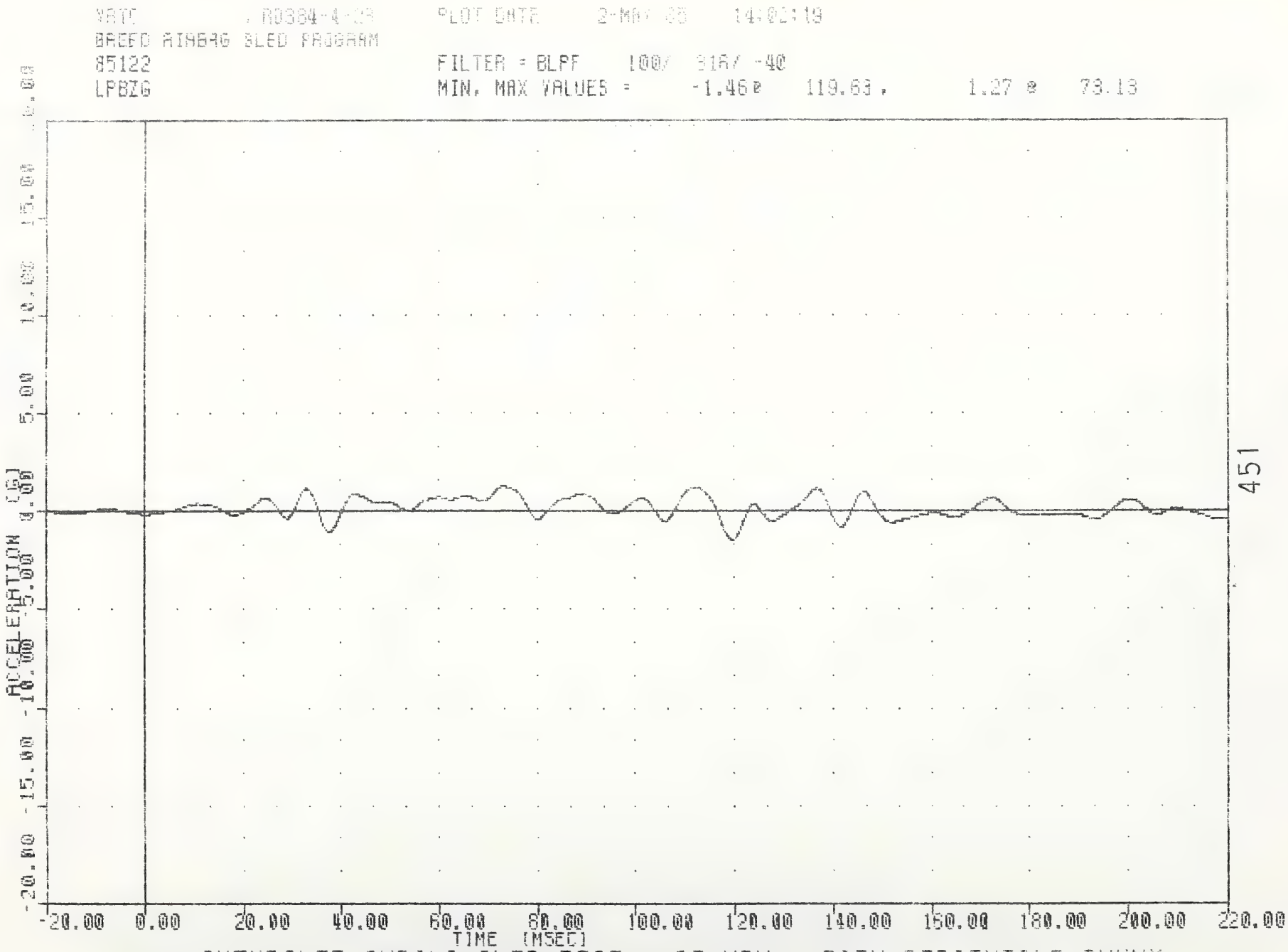


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

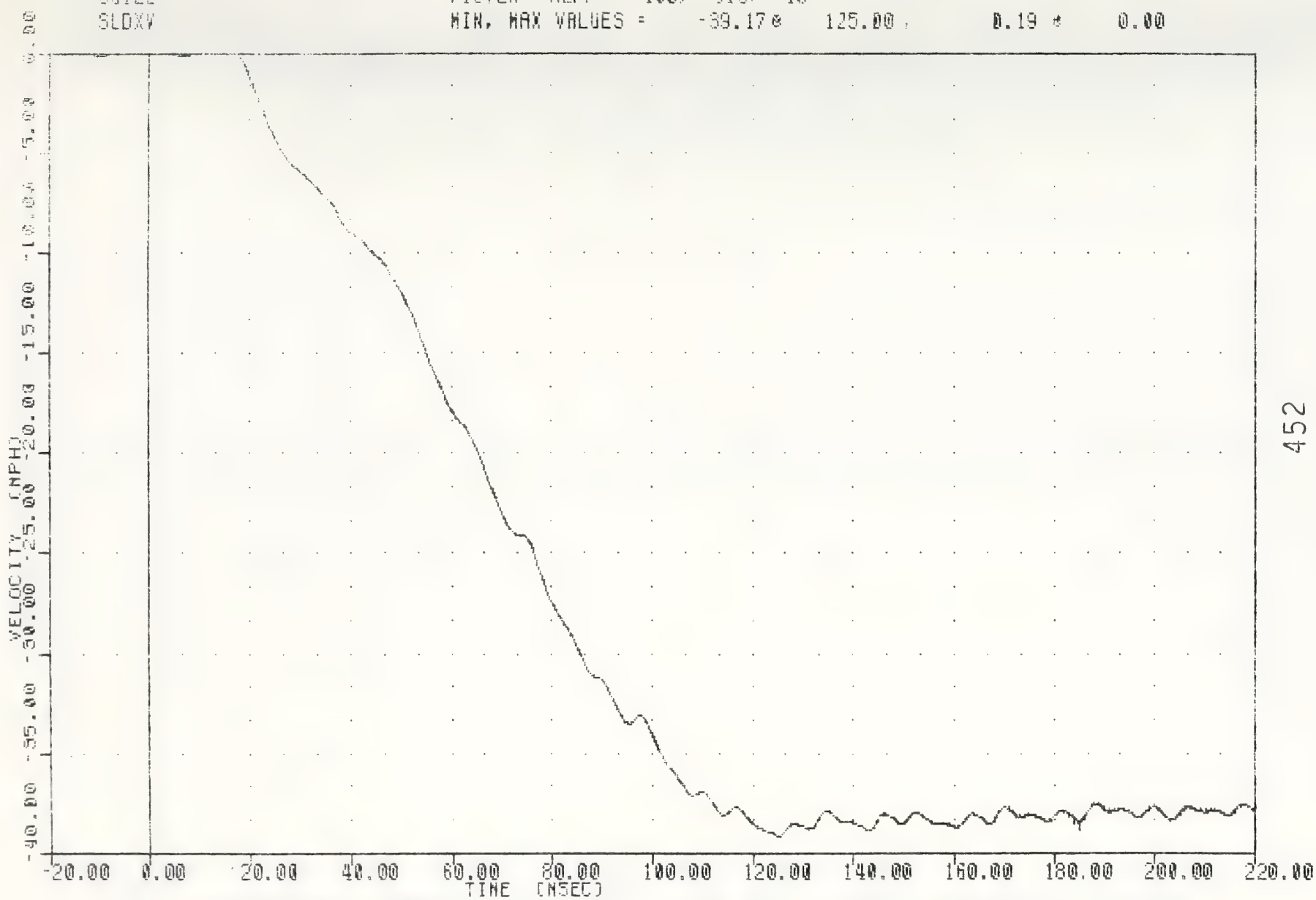
DELTA X USING LPBXD



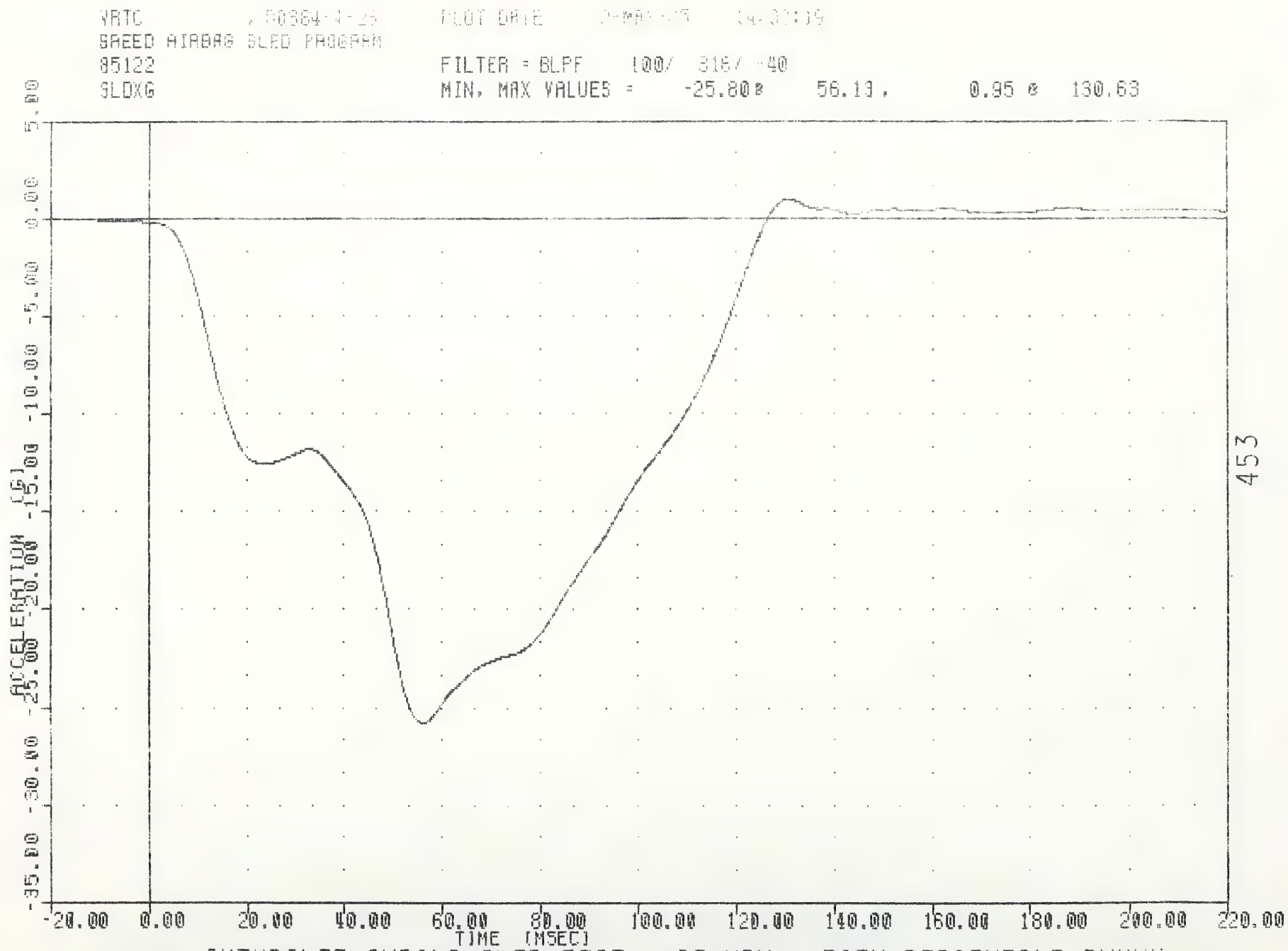
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS



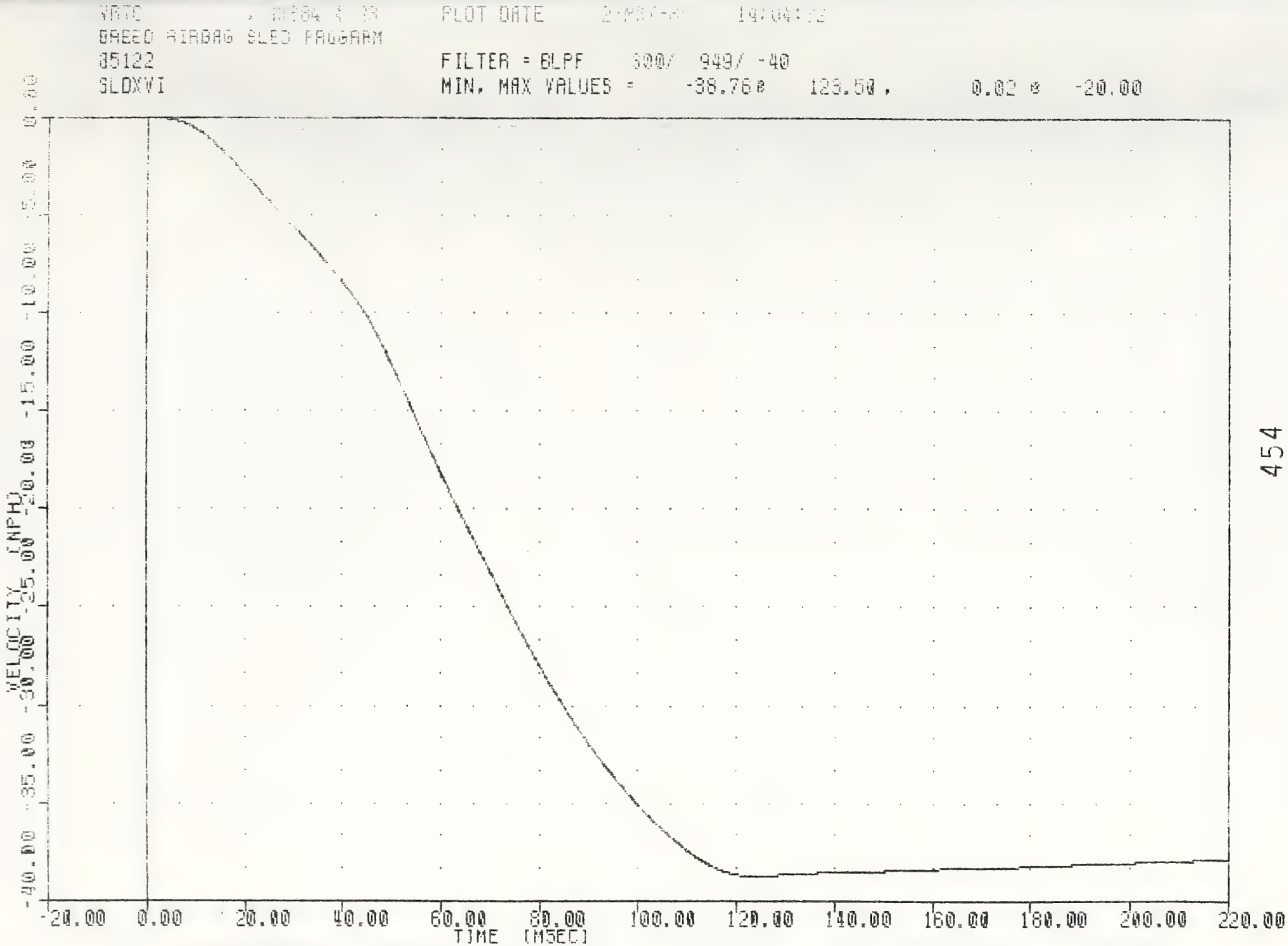
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS



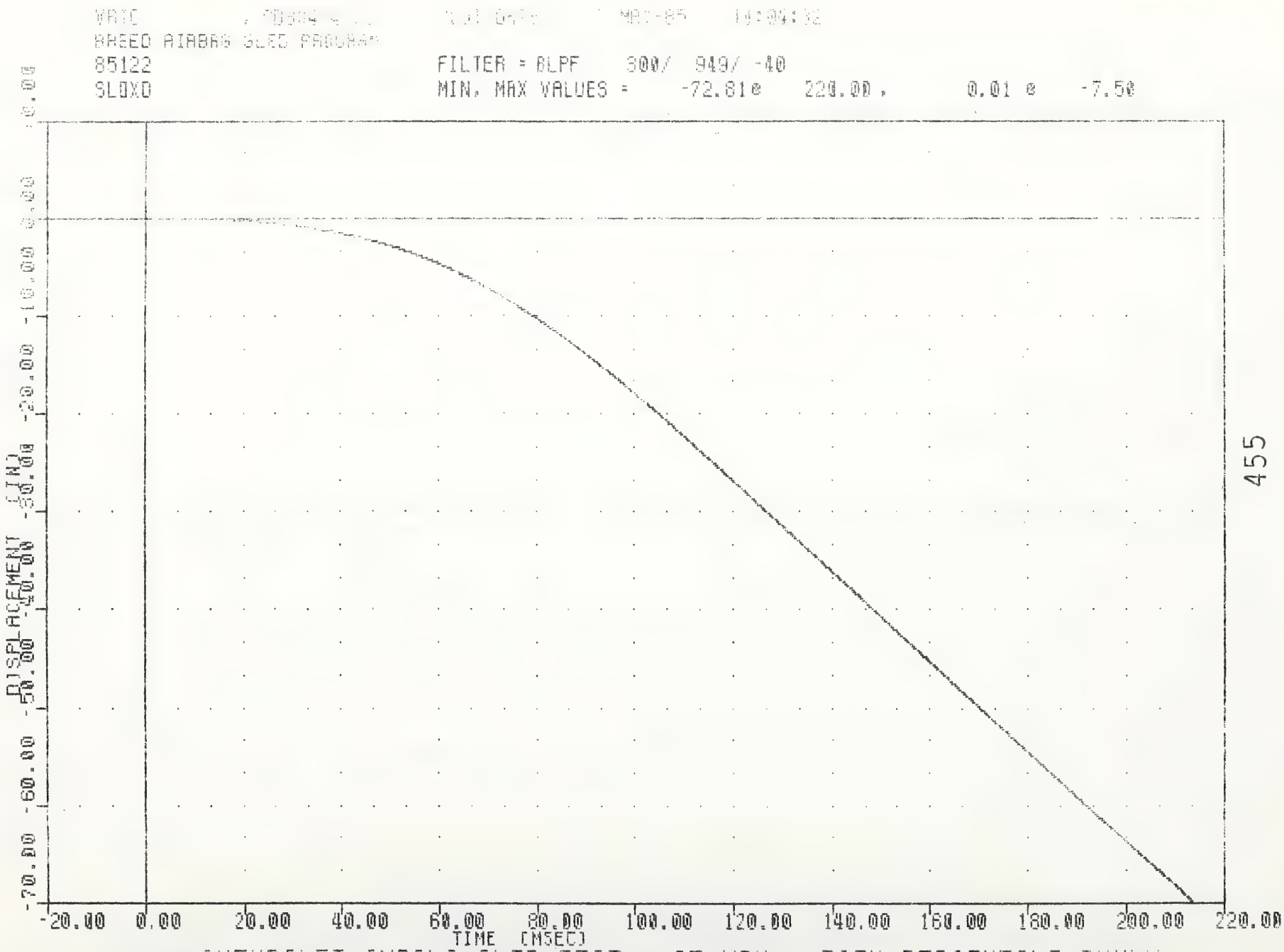
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

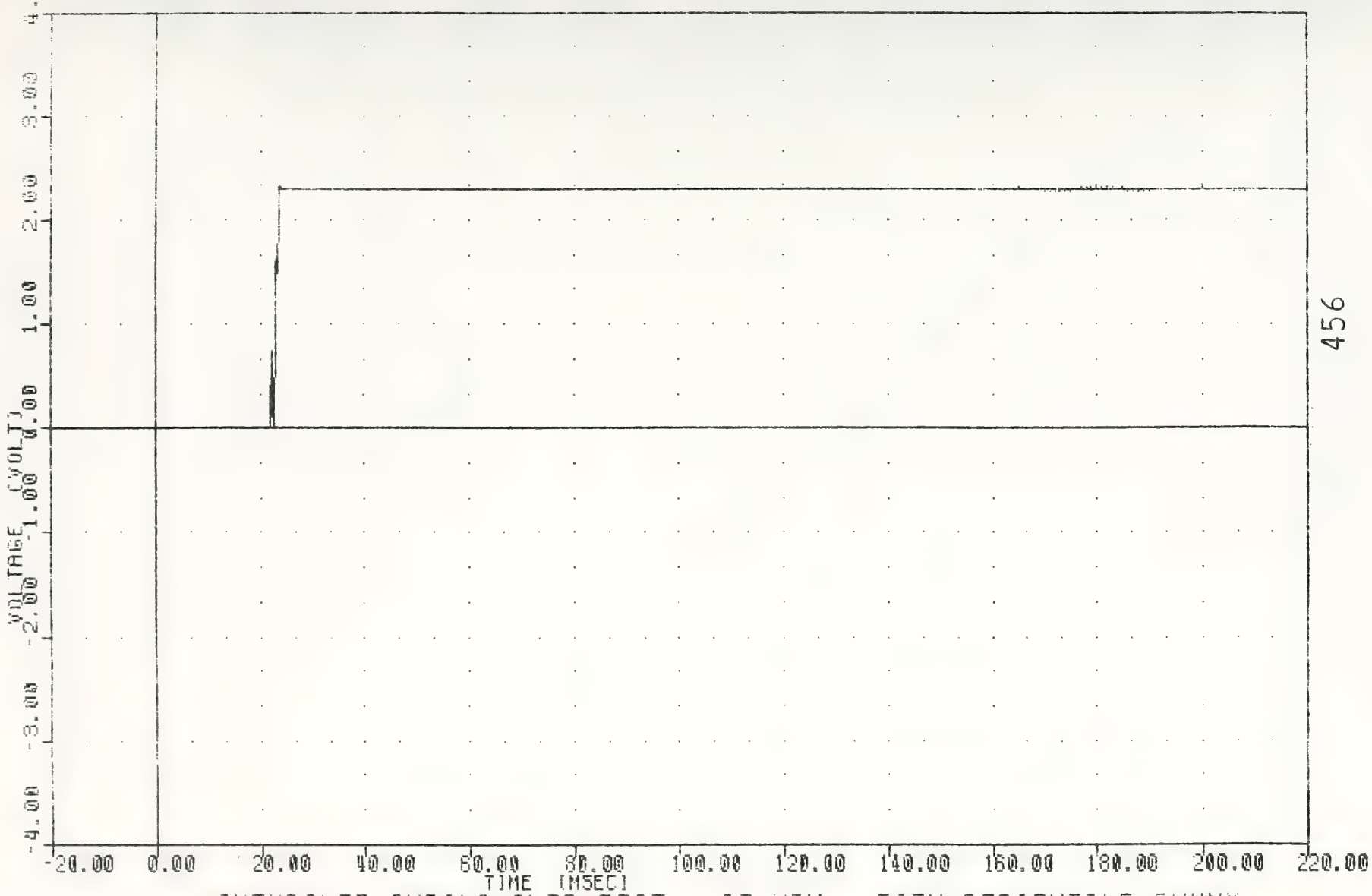


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

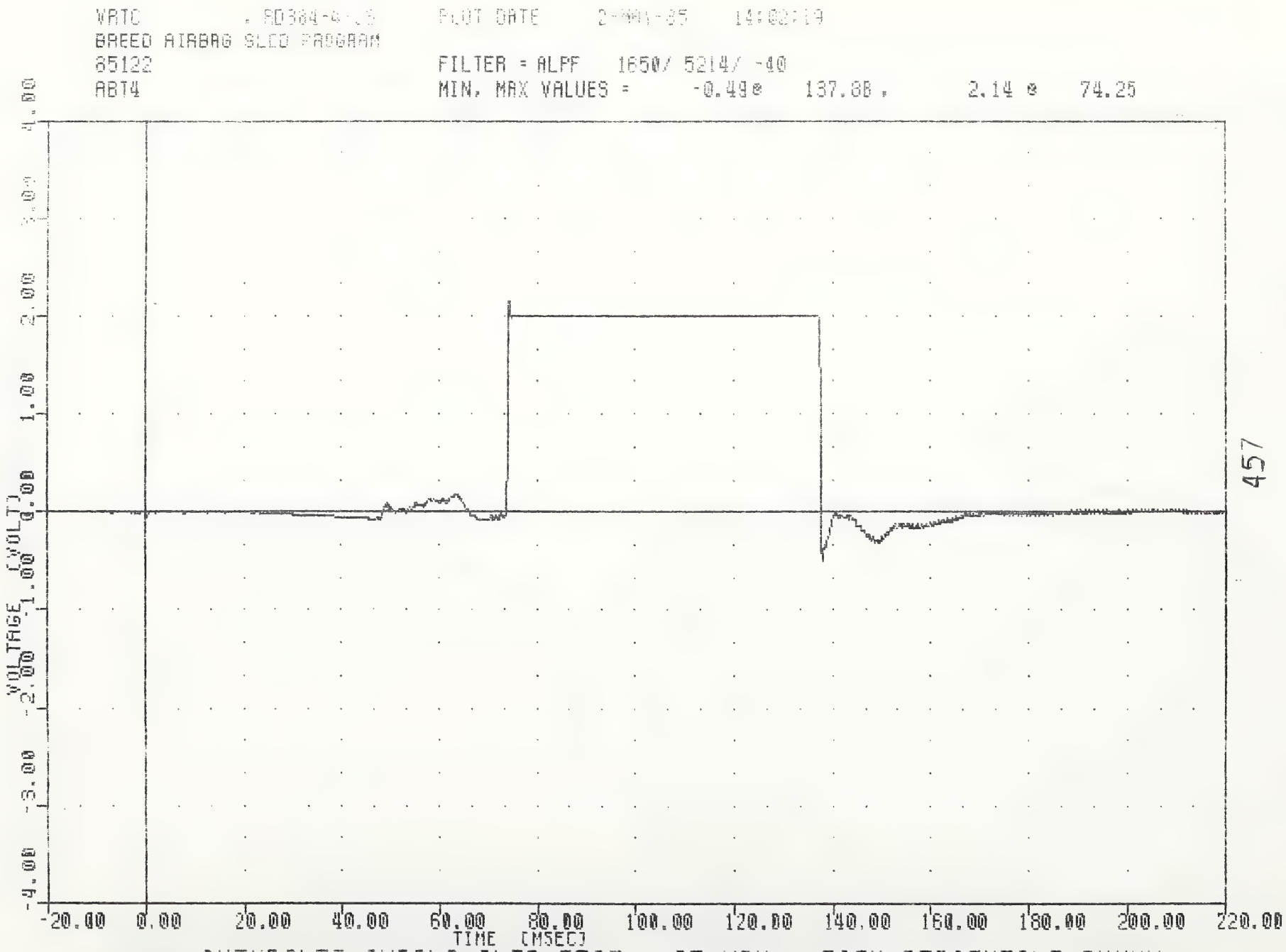


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLDXVI

VRTC , R0384-6-2 PLOT DATE 2-MAY-85 14:02:19
BREED AIRBAG SLED PROGRAM
85122 FILTER = ALPF 1650/ 5214/ -40
ABT3 MIN, MAX VALUES = -0.01 @ -7.00 , 2.34 @ 23.75

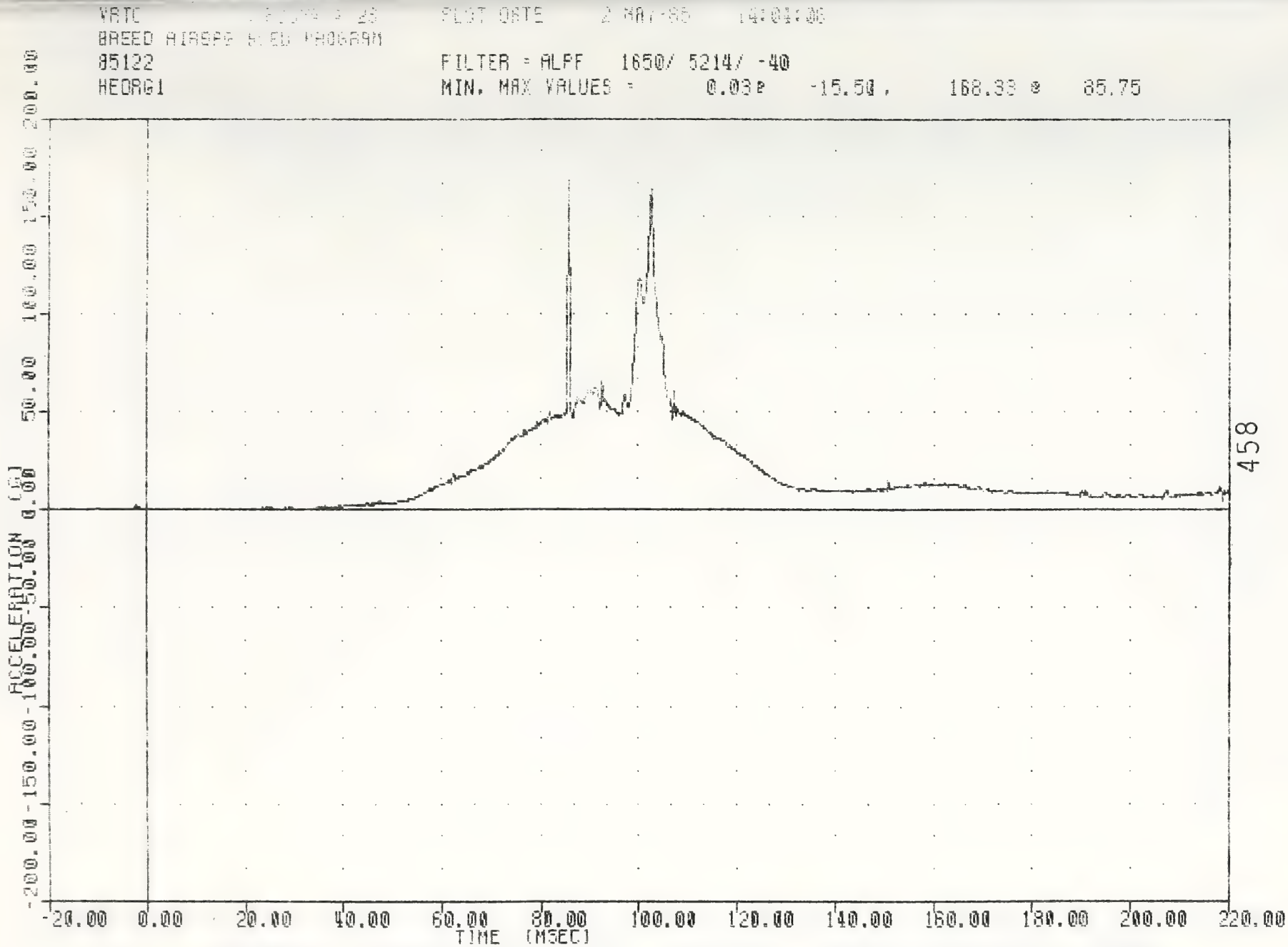


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR



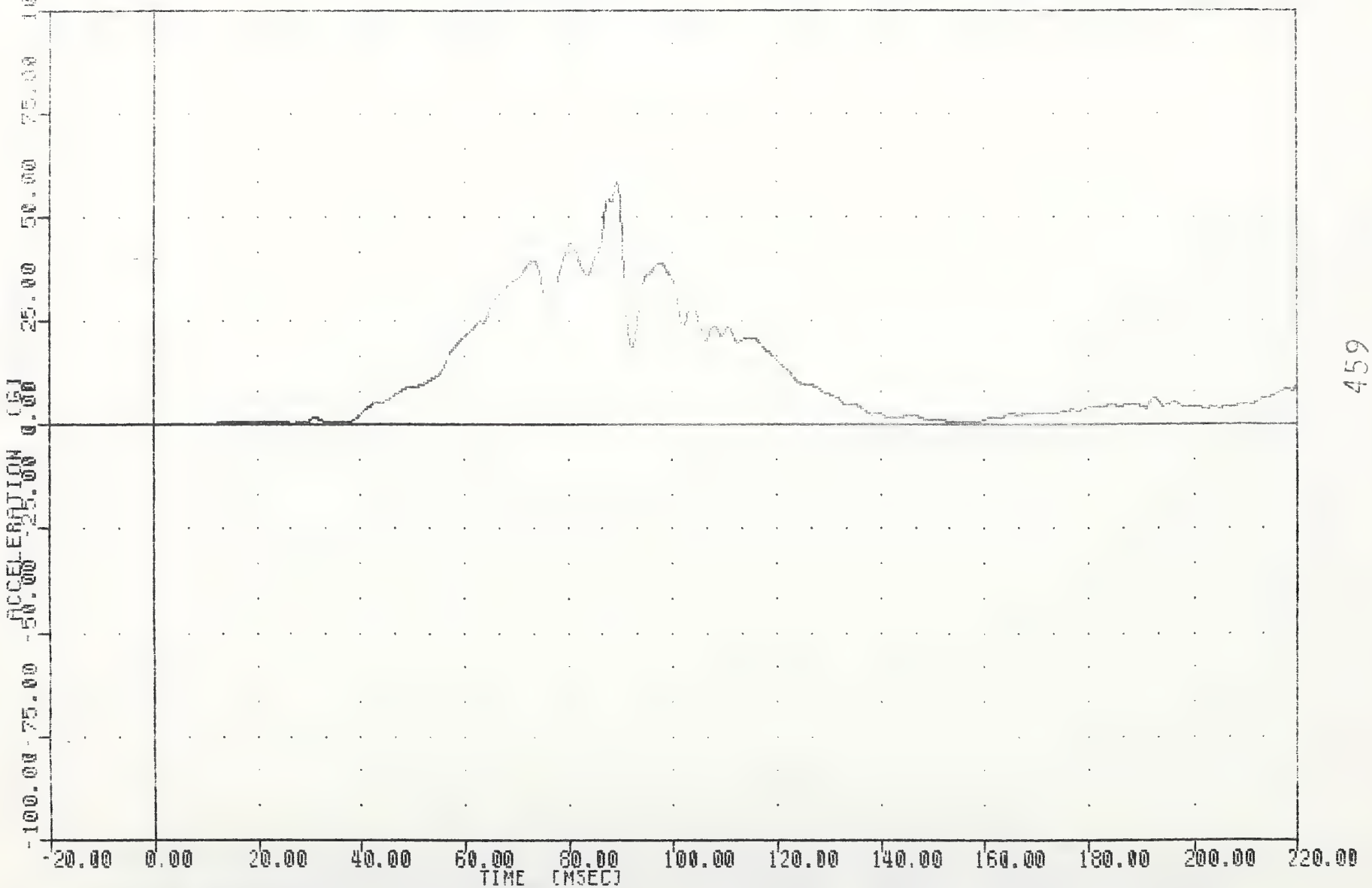
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

KNEE CONTACT

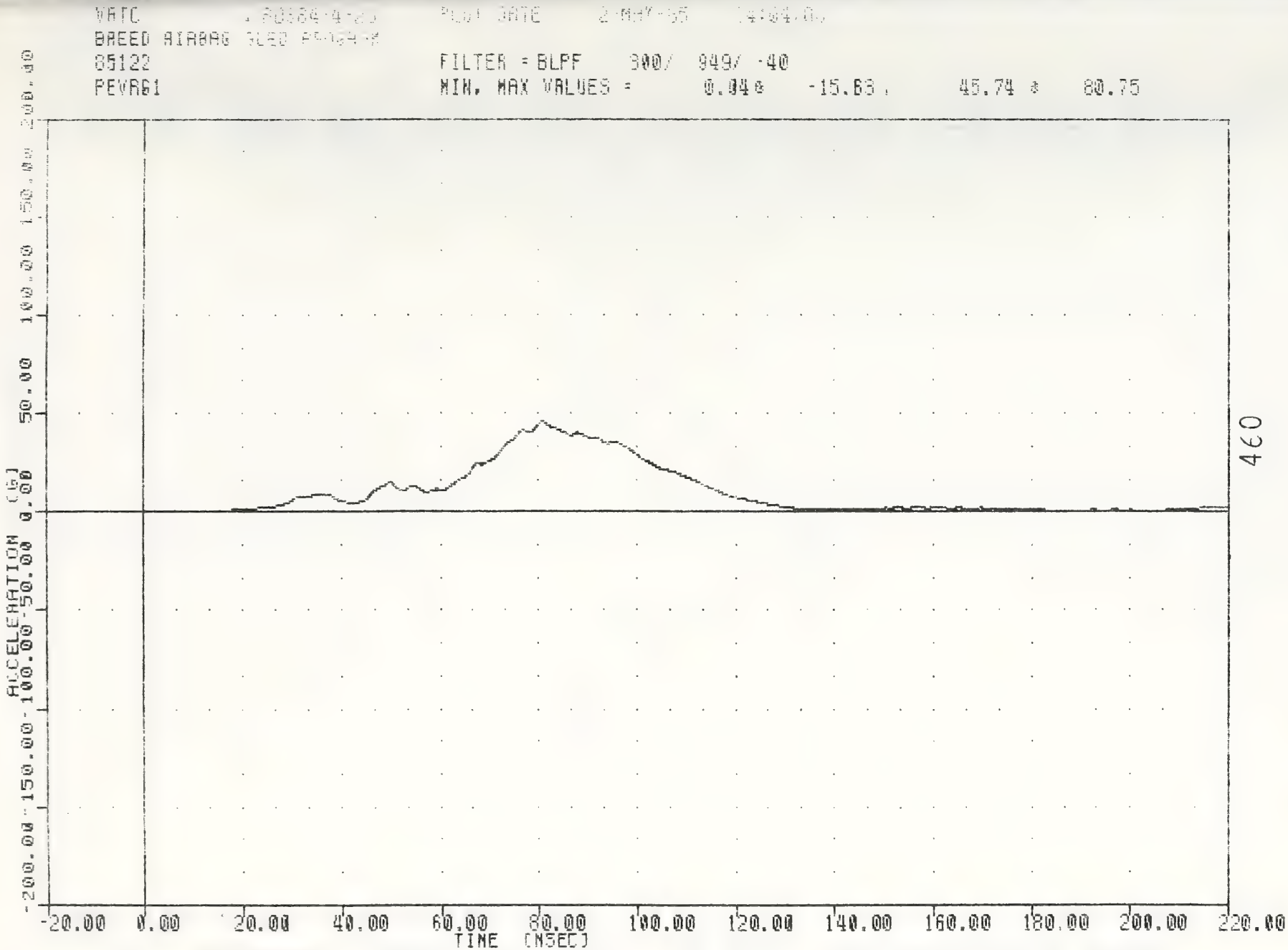


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RDS84-4-23 PLOT DATE 2-MAY-85 14:04:06
BREED AIRBAG SLED PROGRAM
85122 FILTER = BLPF 300/ 949/ -40
CSTRG1 MIN. MAX VALUES = 0.07@ -4.38 , 58.32 @ 89.38

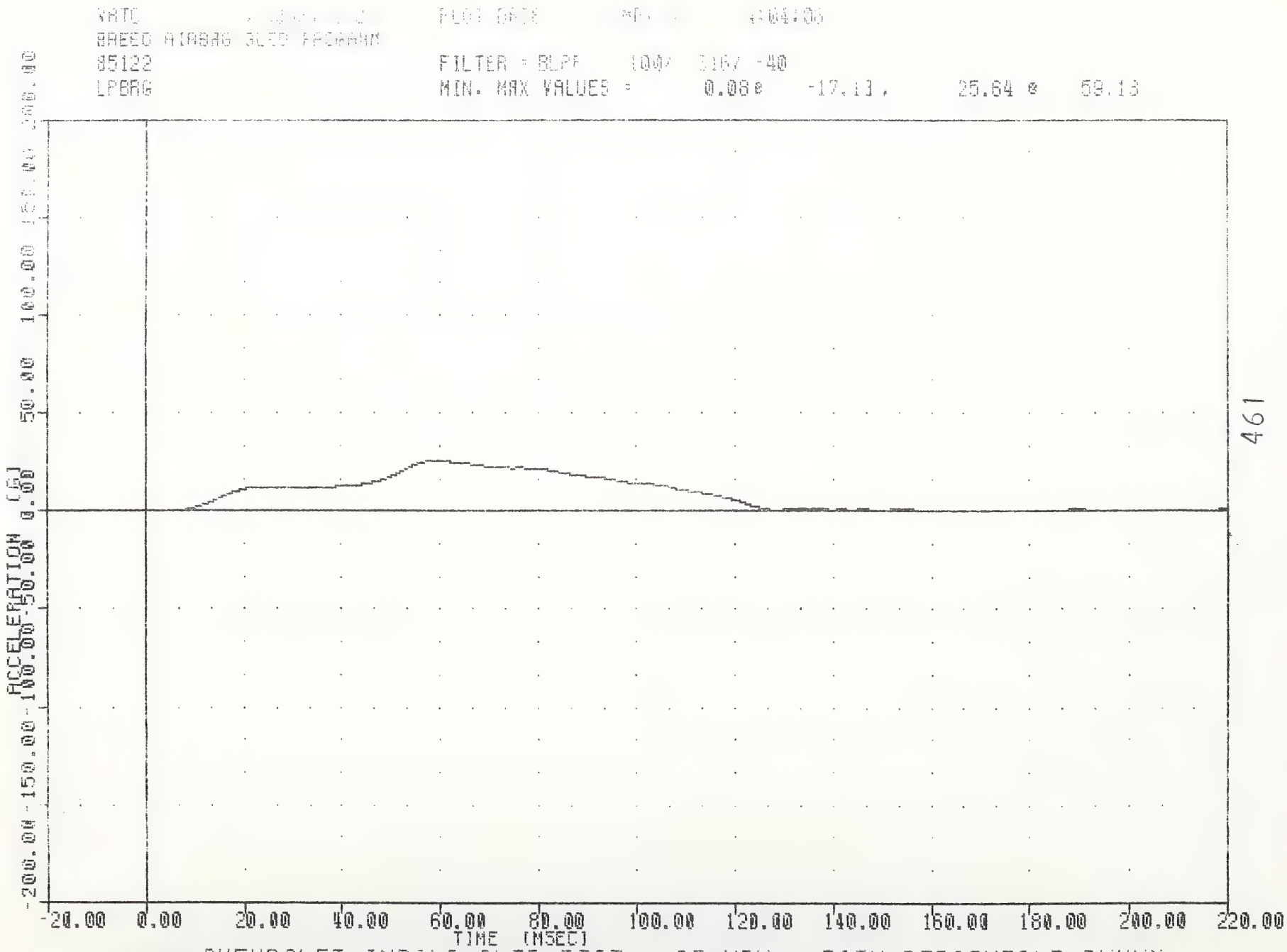


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT



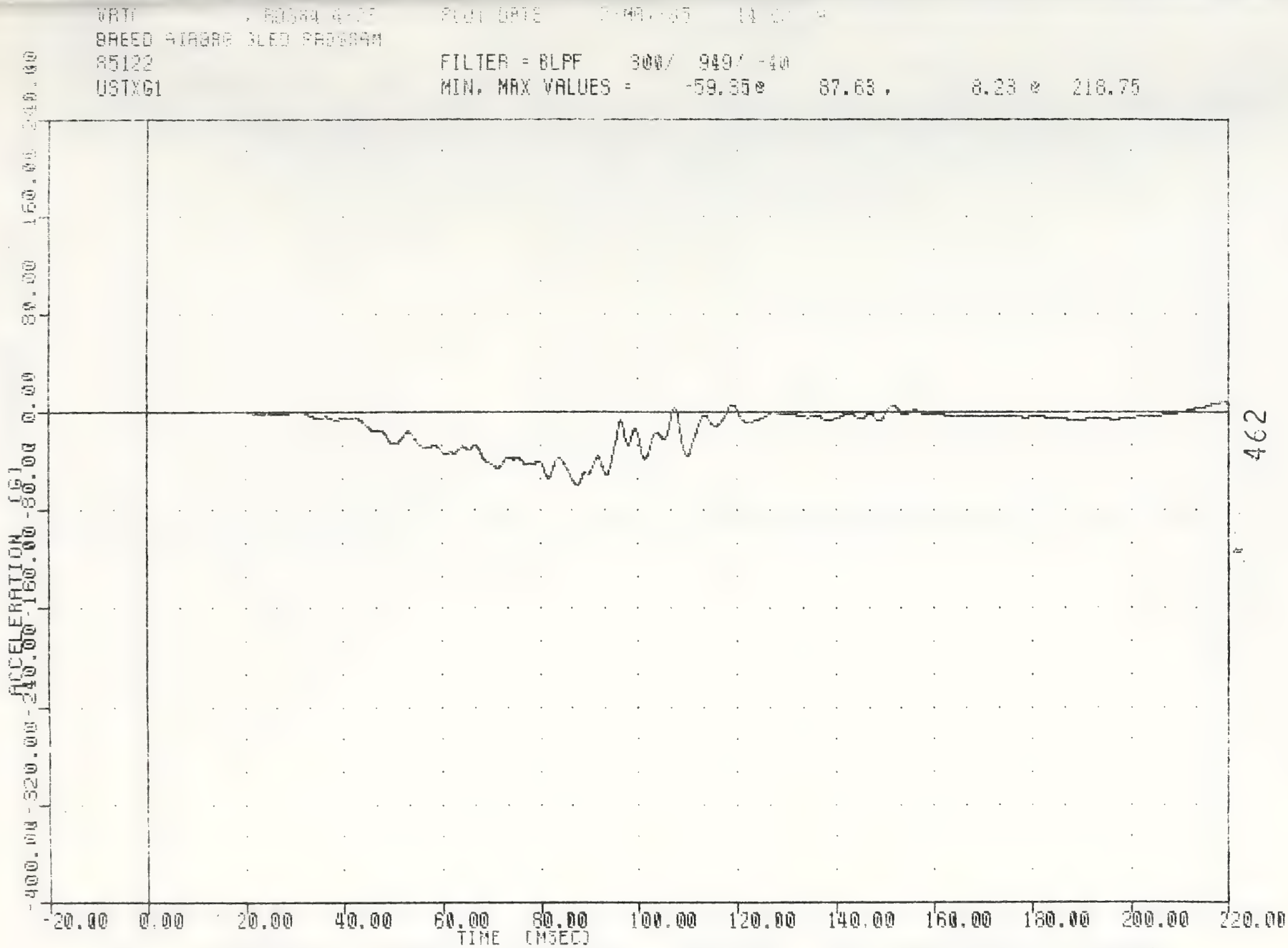
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DRIVER PELVIS RESULTANT



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

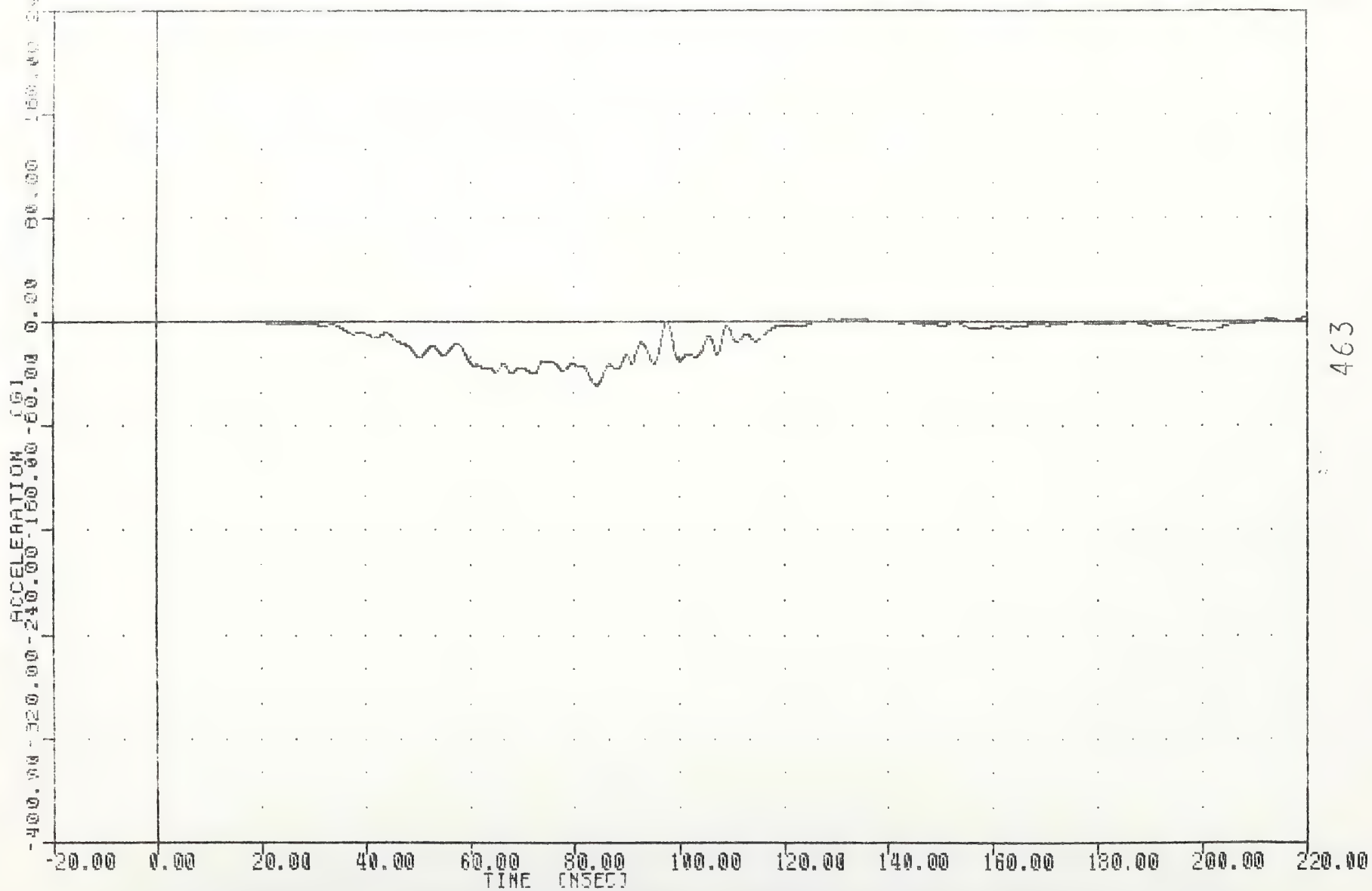
PILLAR LEFT B RESULTANT



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION - AXIS

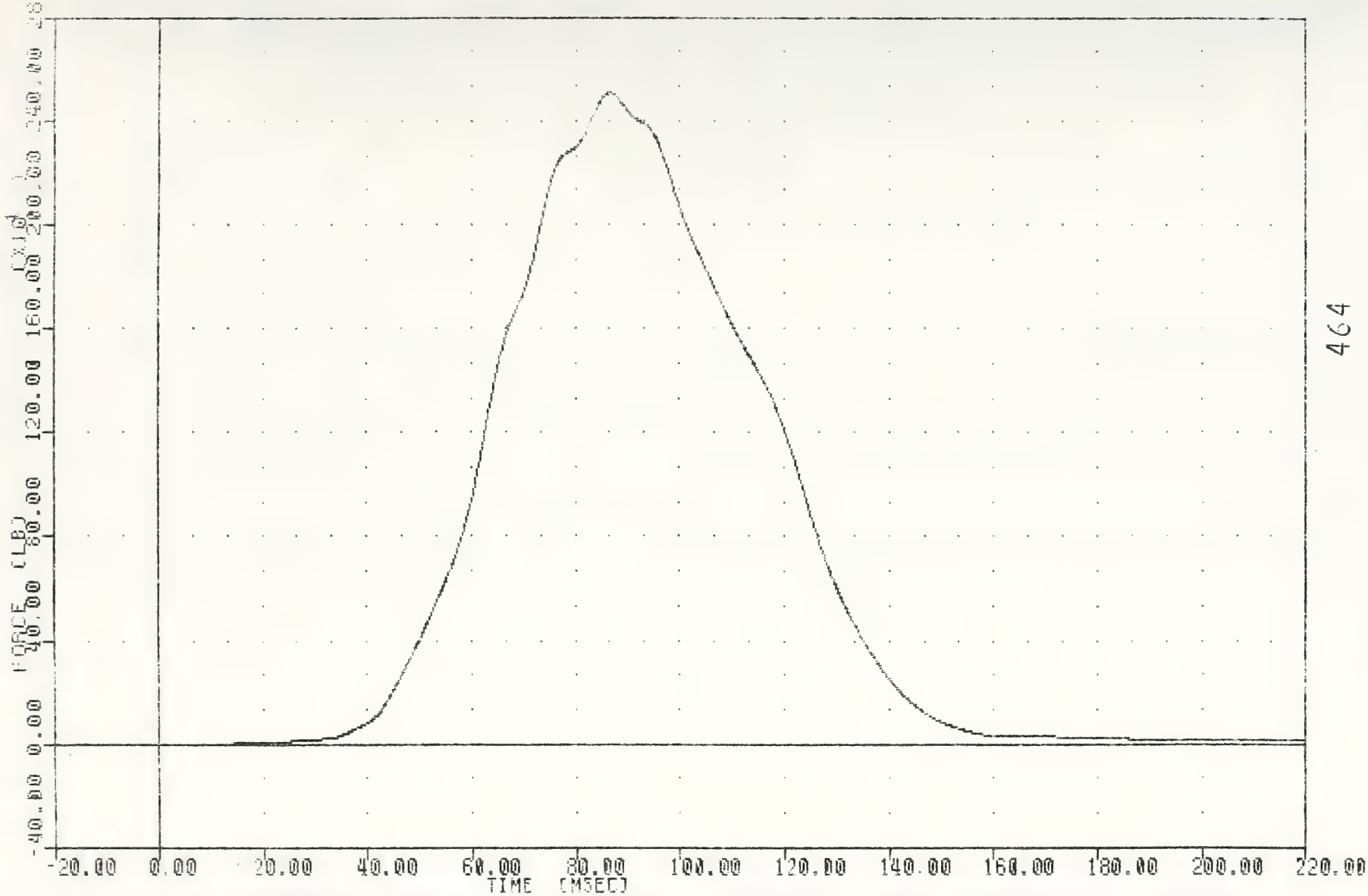
DATE [illegible]
BREED AIRBAG SLED PROGRAM
85122
LSTXG1

FILTER = BLPF 900/ 949/ -40
MIN. MAX VALUES = -48.42@ 84.38, 4.02 @ 220.00



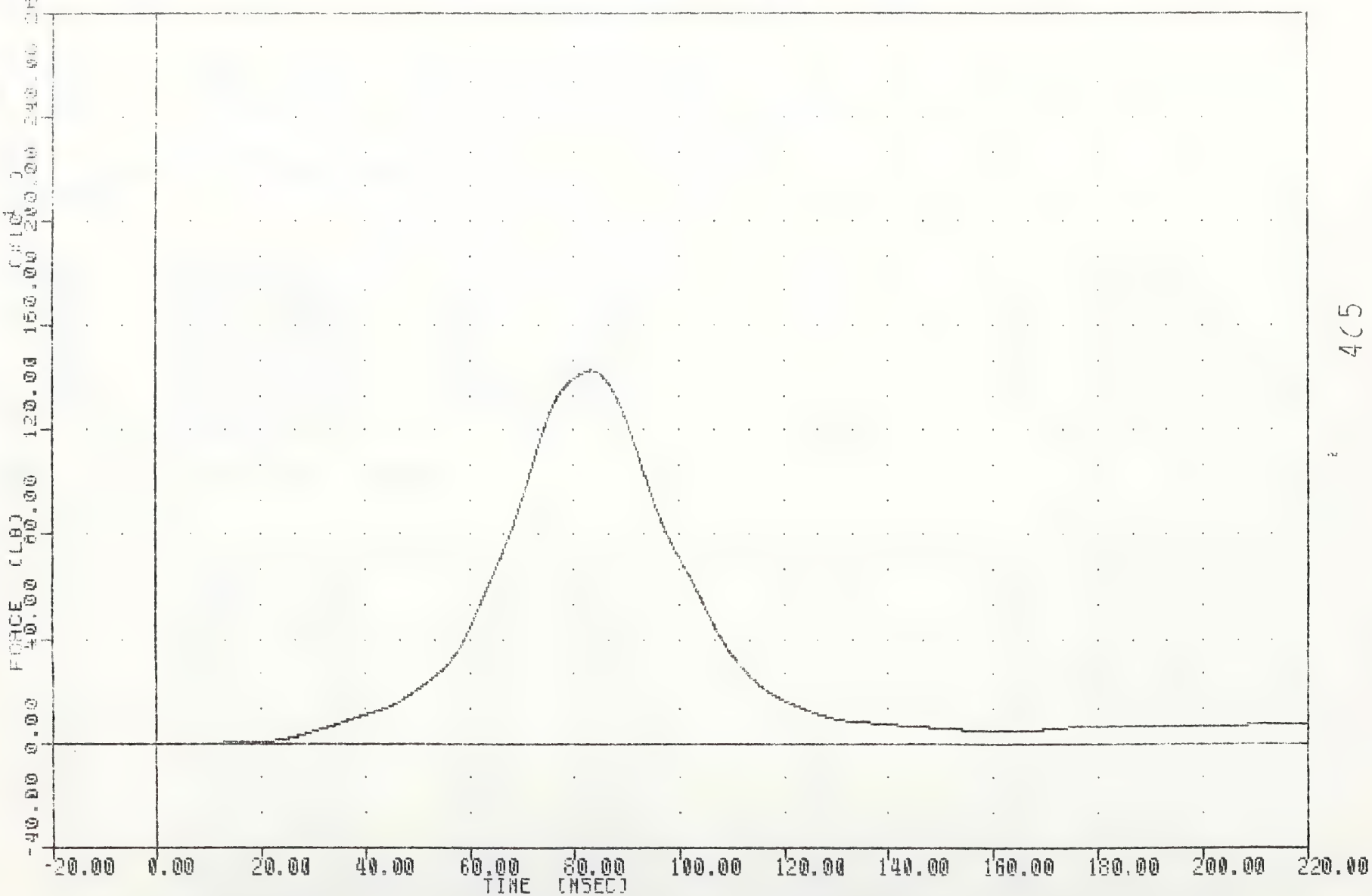
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

VRTC , R0384-4-.3 PLOT DATE 2-MAY-85 14:02:-6
BREED AIRBAG SLED PROGRAM
85122 FILTER = BLPF 100/ 316/ -40
SHBF1 MIN, MAX VALUES = -0.510 -15.00 , 2506.60 @ 86.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VATC , RD384-4-23 PLOT DATE 2-MAR-85 14:02:19
BREED AIRBAG SLED PROGRAM
85122 FILTER = BLPF 100/ 516/ -40
LBOF1 MIN, MAX VALUES = -0.09@ -10.83 , 1427.41 @ 88.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

TRC431P.RAD;2
VRTC RD384-4-24 BREED AIRBAG SLED PROGRAM 3-MAY-85 14:43
85123 35.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.061 @ 75.125	1.614 @ -18.000 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.366 @ 124.750	0.153 @ -0.500 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.947 @ 56.500	1.371 @ 127.750 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-101.265 @ 96.500	13.104 @ 86.875 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-15.708 @ 122.750	4.193 @ 138.250 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-65.381 @ 119.250	131.523 @ 86.000 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-128.851 @ 113.500	15.689 @ 95.125 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-18.574 @ 109.500	3.865 @ 94.875 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-5.998 @ 128.625	32.278 @ 99.500 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-314.811 @ 82.125	235.060 @ 85.500 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-171.871 @ 110.375	220.359 @ 83.125 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-106.586 @ 85.625	7.141 @ 137.875 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-36.839 @ 85.000	23.774 @ 95.000 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-22.943 @ 86.375	3.692 @ 99.125 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-2085.419 @ 94.750	170.742 @ 136.625 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-3636.699 @ 85.500	12.498 @ 68.000 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-25.414 @ 59.875	1.382 @ 129.500 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-2.807 @ 82.625	2.654 @ 105.125 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-1.472 @ 111.750	1.913 @ 96.625 msec	g	BLPF 100/ 316/ -40
20	ABT3	-0.017 @ 7.500	2.329 @ 142.250 msec	volt	ALPF 1650/ 5214/ -40
21	ABT4	-0.057 @ 0.000	9.995 @ 137.375 msec	volt	ALPF 1650/ 5214/ -40

466

TRC431IP.RAD;2
VRTC RD384-4-24 BREED AIRBAG SLED PROGRAM 3-MAY-85 14:43
85123 35.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-49.401 @ 203.375	1.660 @ 81.750 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-60.089 @ 220.000	0.493 @ 86.500 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-49.962 @ 139.625	-0.204 @ -7.750 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-64.942 @ 220.000	-0.104 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-37.846 @ 130.750	-0.243 @ -18.750 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-58.204 @ 220.000	-0.134 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-37.935 @ 120.500	0.014 @ -18.375 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.660 @ 220.000	0.008 @ -10.750 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-37.225 @ 121.875	-0.005 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-69.436 @ 220.000	0.000 @ -20.000 msec	in	BLPF 300/ 949/ -40

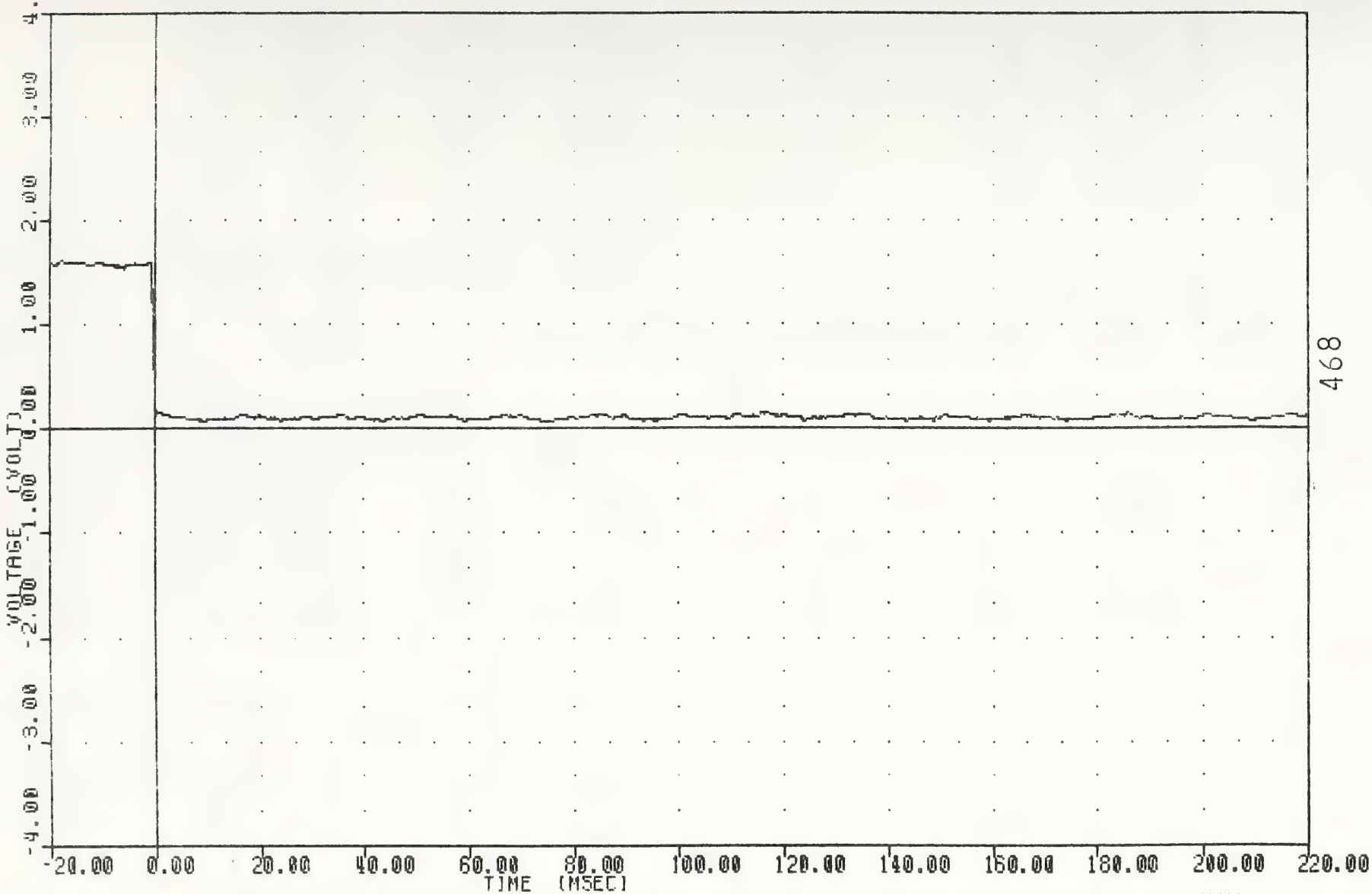
TRC431RP.RAD;2
VRTC RD384-4-24 BREED AIRBAG SLED PROGRAM 3-MAY-85 14:43
85123 35.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.041 @ 2.000	147.654 @ 86.000 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.049 @ -7.500	133.294 @ 113.500 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.025 @ 9.250	113.916 @ 85.500 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.032 @ -11.375	25.451 @ 59.750 msec	g	BLPF 100/ 316/ -40

```
HIC --  Head Injury Criterion computed from a single channel

TRC431RP.RAD;2
 VRTC        RD384-4-24  BREED AIRBAG SLED PROGRAM
 85123       35.00 mph


* * *   HIC computation for HEDRG1                          3-MAY-85 15:43

   Using time range =   0.000 to 150.875 msec     Peak accel = 147.65 @  86.000

HIC = 1287.16     Interval from  84.000 [ 833] to 125.125 [1162]

HIC =  736.92     Interval from 107.625 [1022] to 122.625 [1142]
```

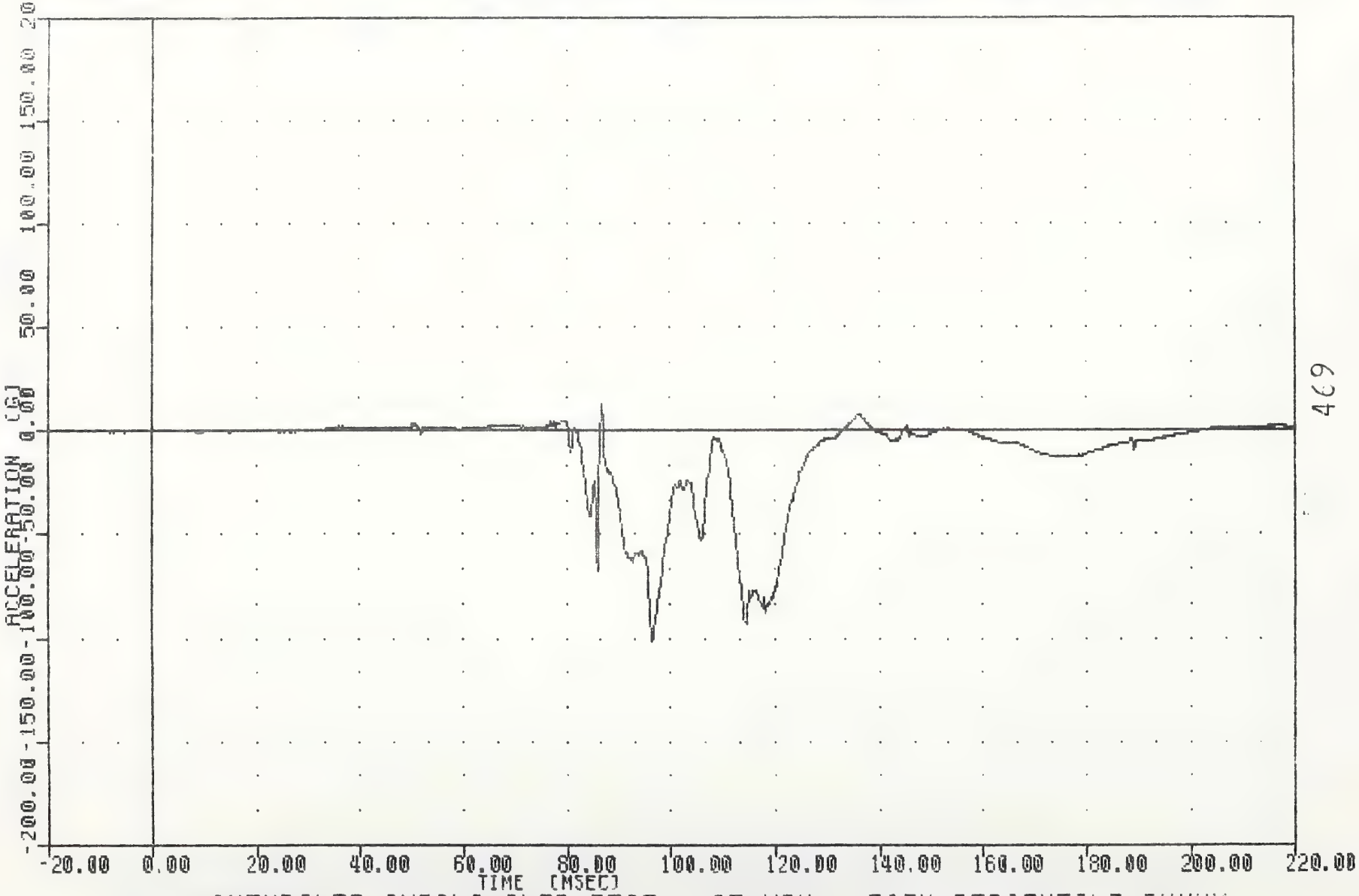
```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC431RP

File TRC431RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-24  BREED AIRBAG SLED PROGRAM        35.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC431RP.RAD;2                                VRTC        RD384-4-24
BREED AIRBAG SLED PROGRAM        35.0 mph      85123          3-MAY-85 15:22:04
Deltax: 0.125

3 MS CLIP PEAK:    119.2268

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> ^Z

Enter input filespec  -> ^Z
$
```

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 1650/ 5214/ -40
EVENT MIN. MAX VALUES = 0.06@ 75.13 , 1.61 @ -18.00



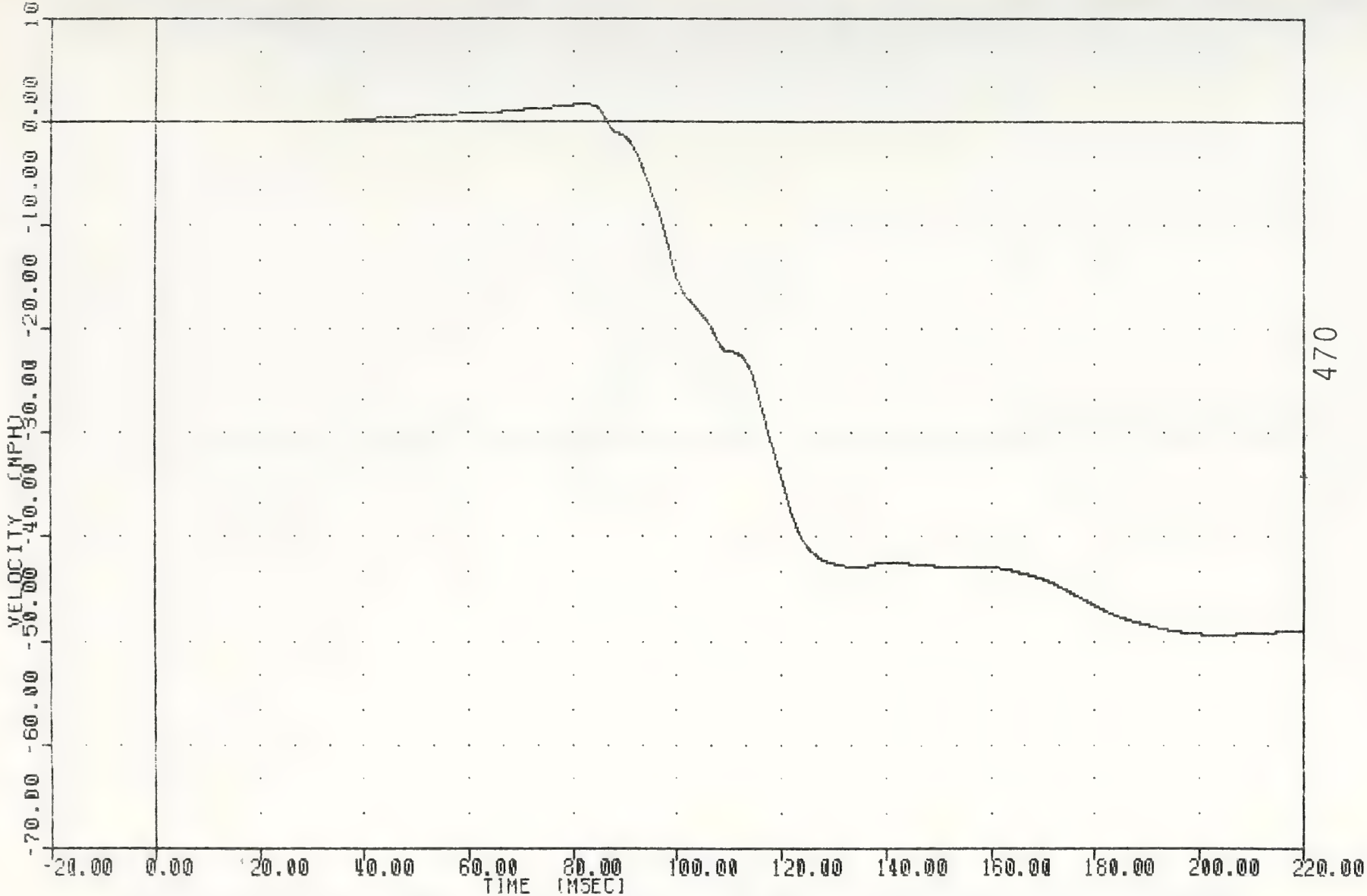
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
EVENT

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 1650/ 5214/ -40
HEDXG1 MIN, MAX VALUES = -101.27@ 96.50 , 13.10 @ 86.88



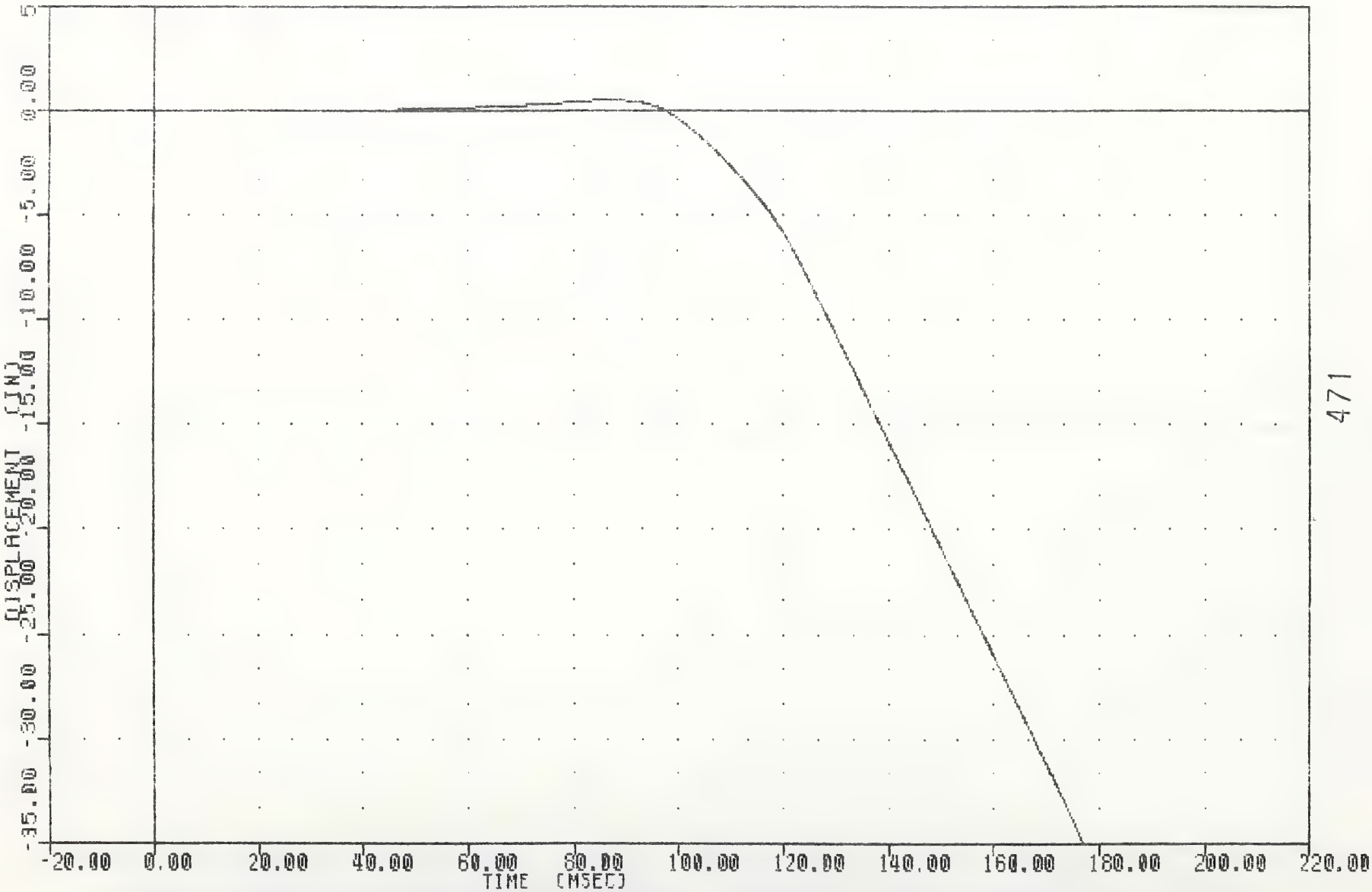
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , R0884-4-24 PLOT DATE 6-MAY-85 06:51:29
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
HEDXV1 MIN, MAX VALUES = -49.40 @ 203.38 , 1.66 @ 81.75



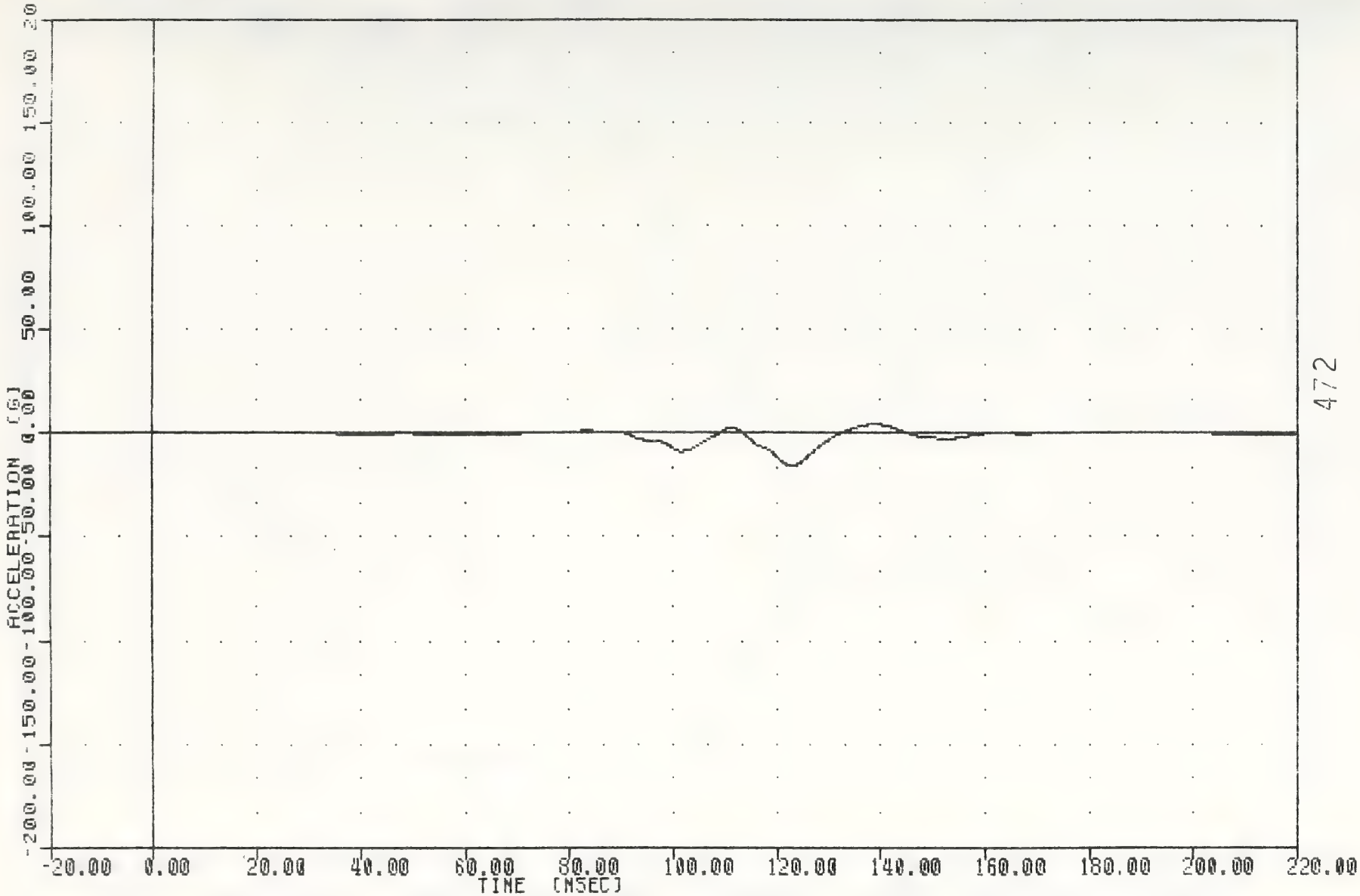
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , RD384-4-24 PLOT DATE 6-MAY-85 08:51:29
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN, MAX VALUES = -60.09@ 220.00 , 0.49 @ 86.50



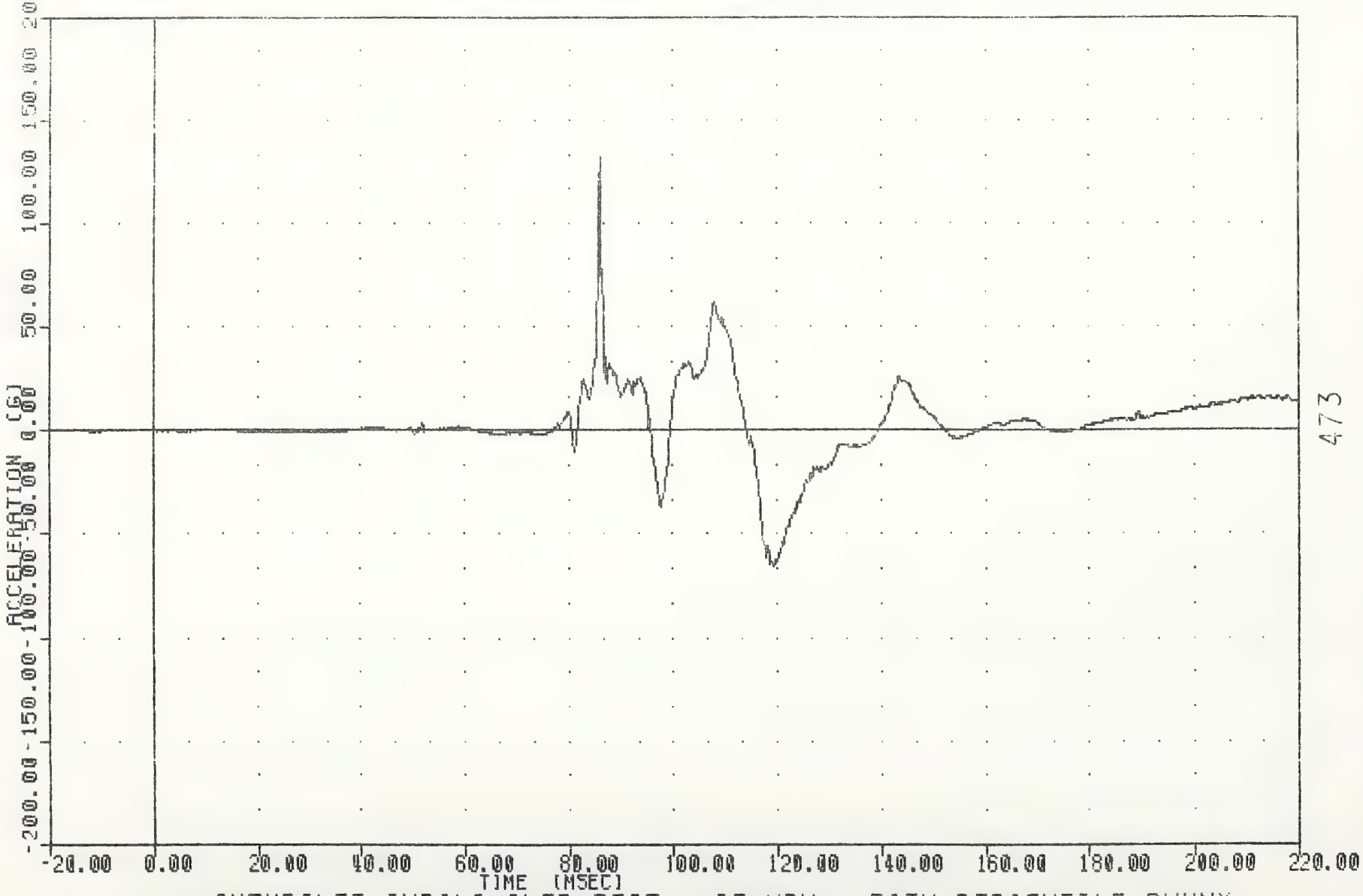
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

VATC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 1650/ 5214/ -40
HEDYG1 MIN, MAX VALUES = -15.71 @ 122.75 , 4.19 @ 138.25

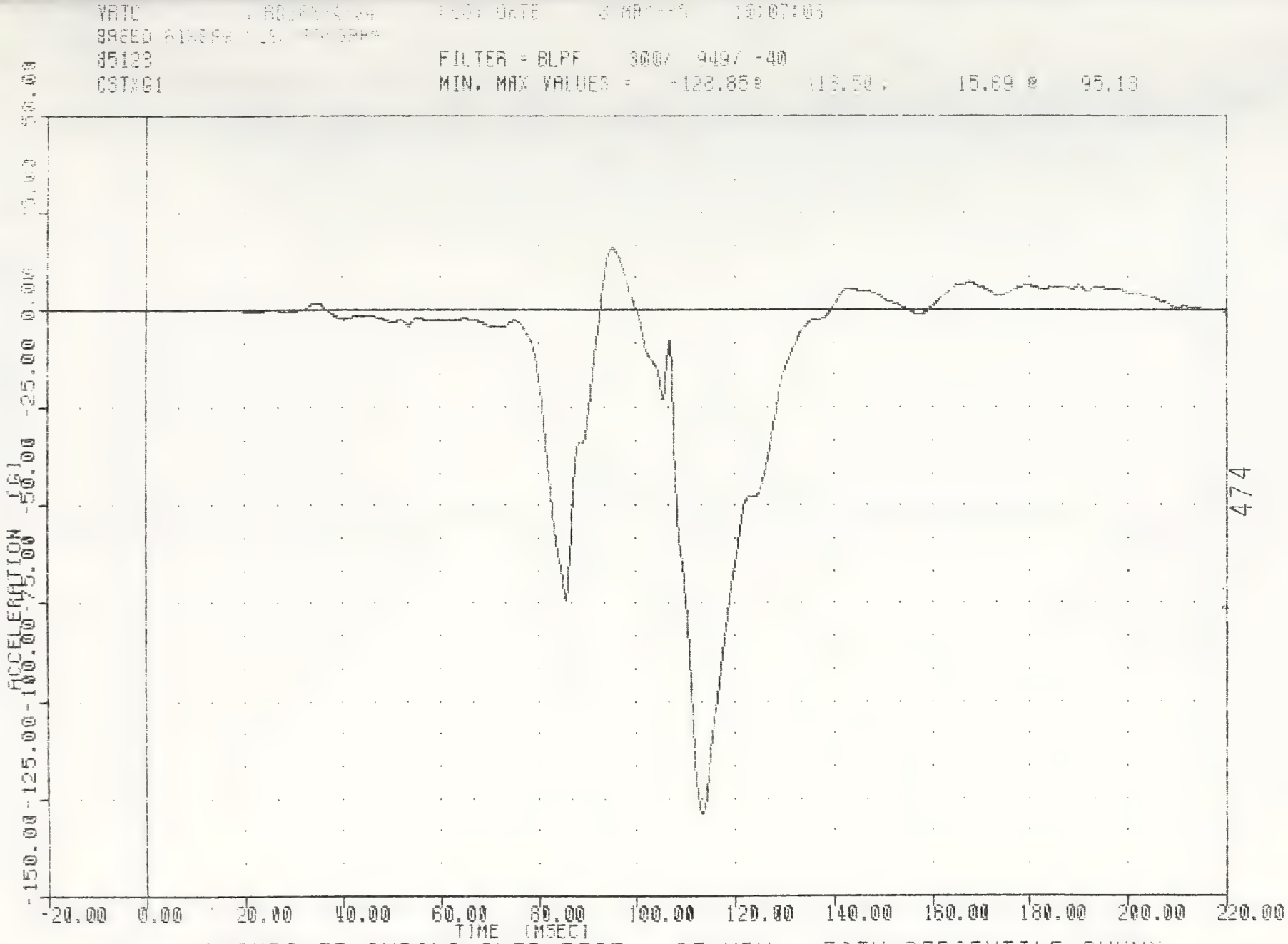


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0584-4-24 PLOT DATE 3-MAR-85 15:25:46
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 1650/ 5214/ -40
HEDZG1 MIN, MAX VALUES = -65.38@ 119.25, 131.52@ 86.00

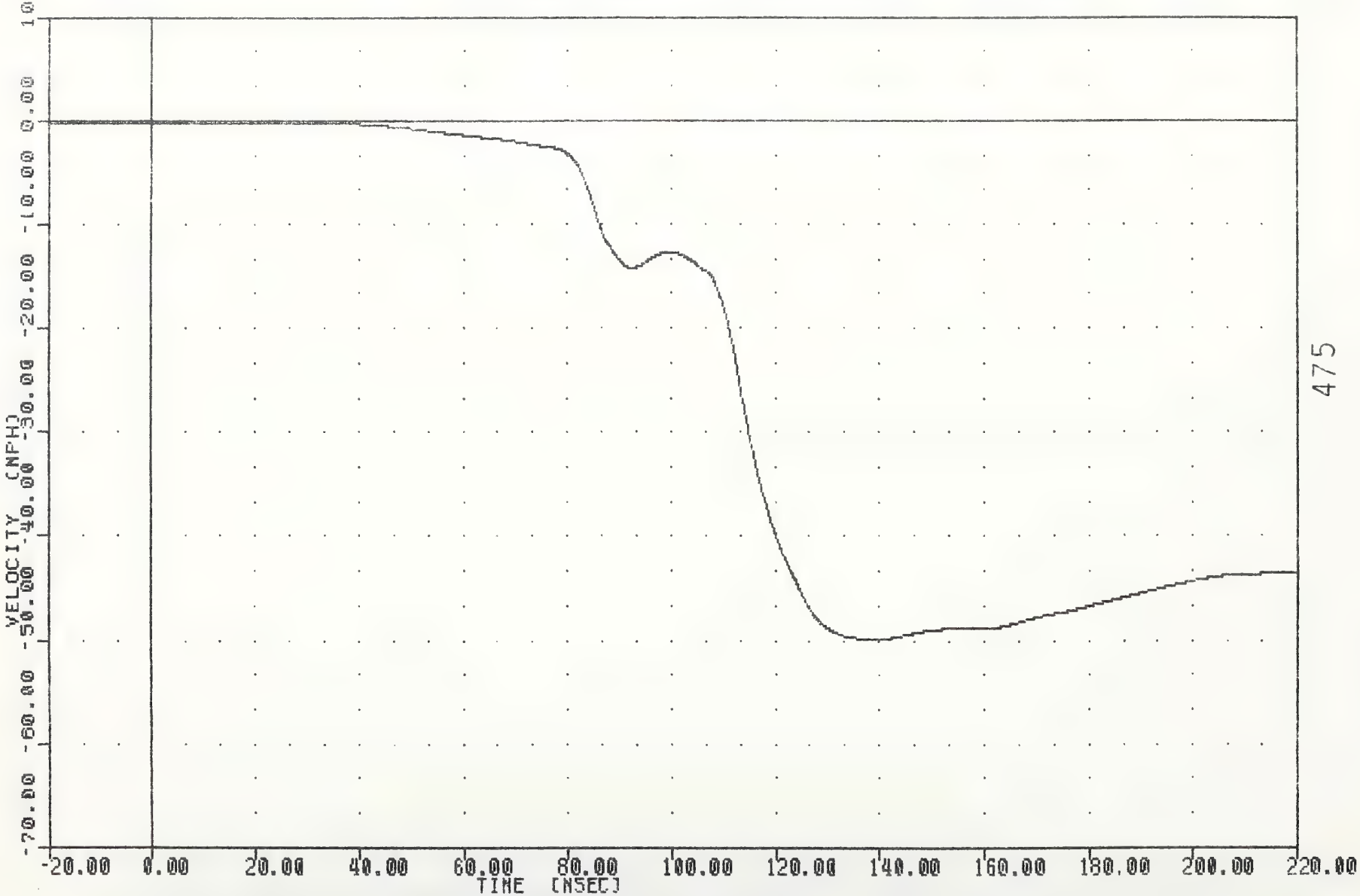


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS



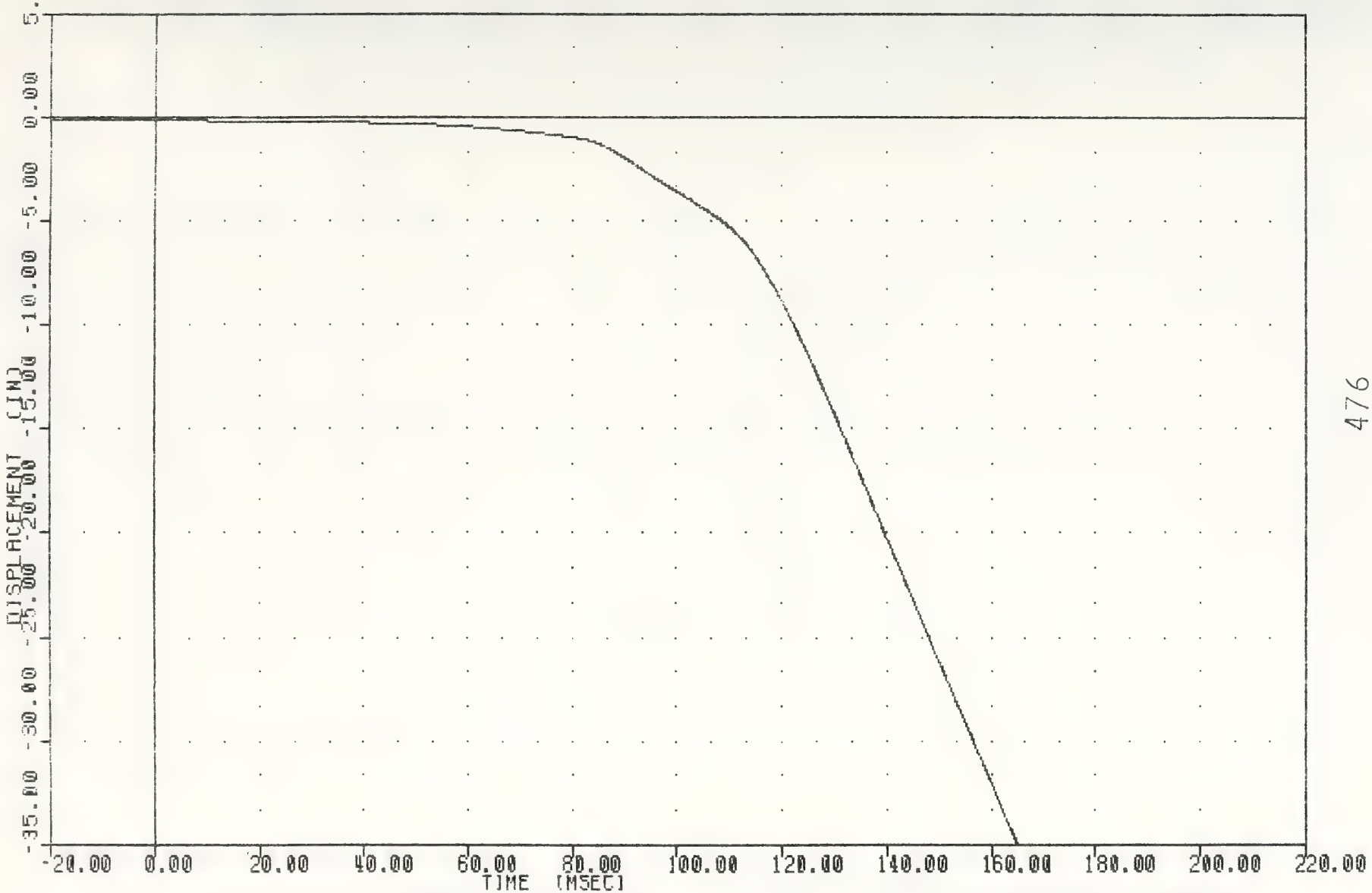
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
CSTXV1 MIN, MAX VALUES = -49.96@ 139.63, -0.20 @ -7.75



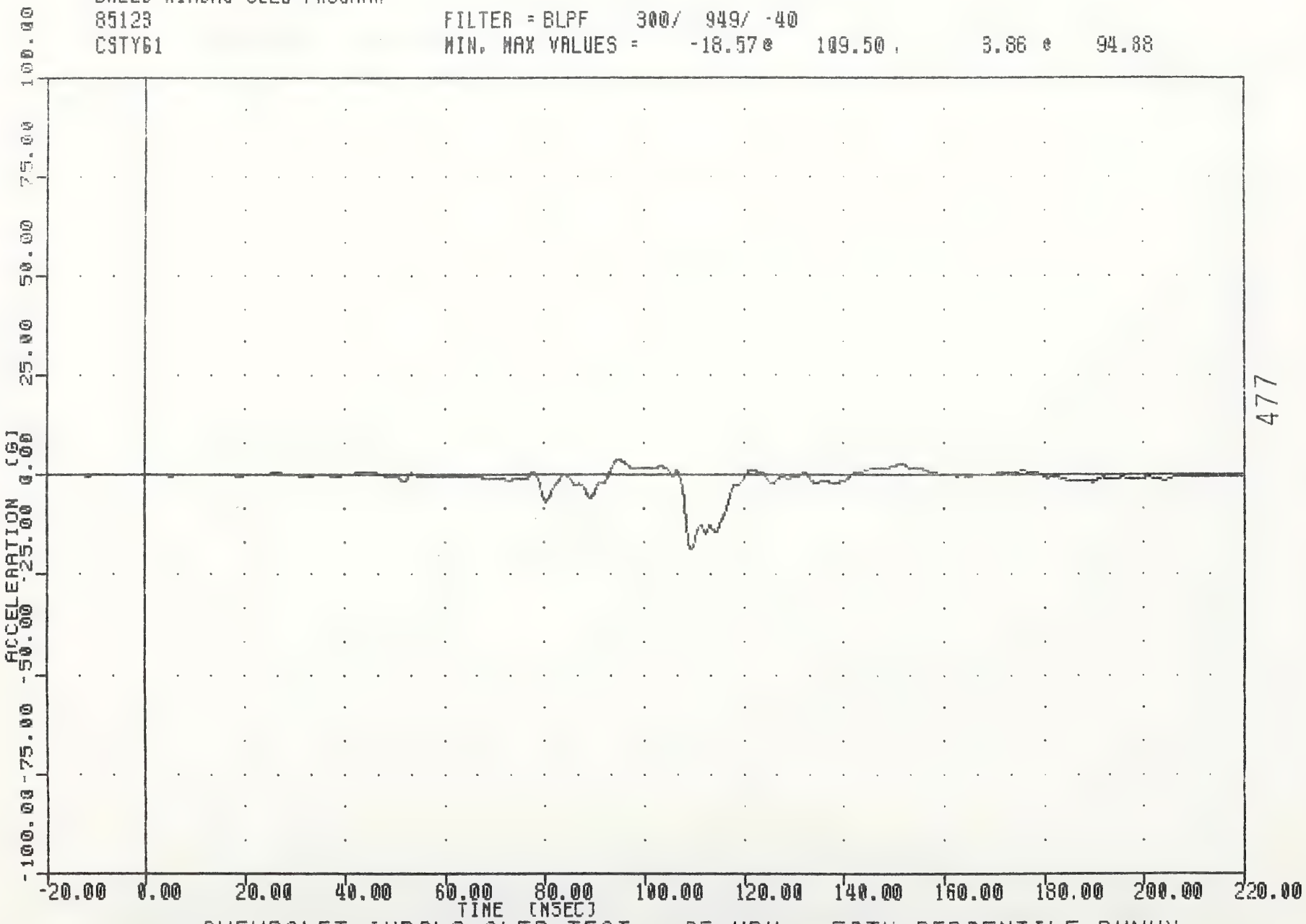
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , R0384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN, MAX VALUES = -64.94@ 220.00, -0.10 @ -20.00



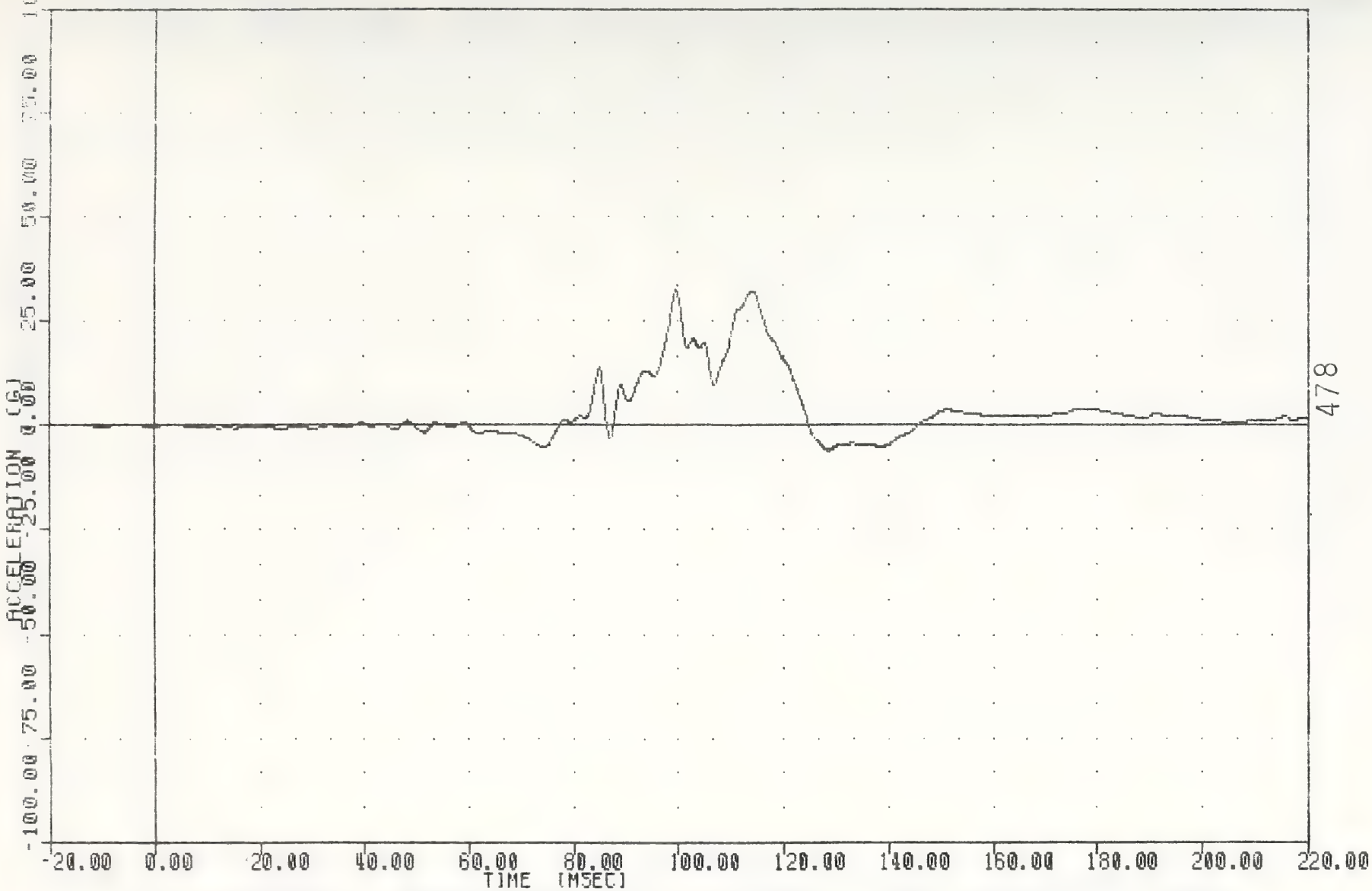
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VATC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
CSTY61 MIN, MAX VALUES = -18.57 @ 109.50 , 3.86 @ 94.88



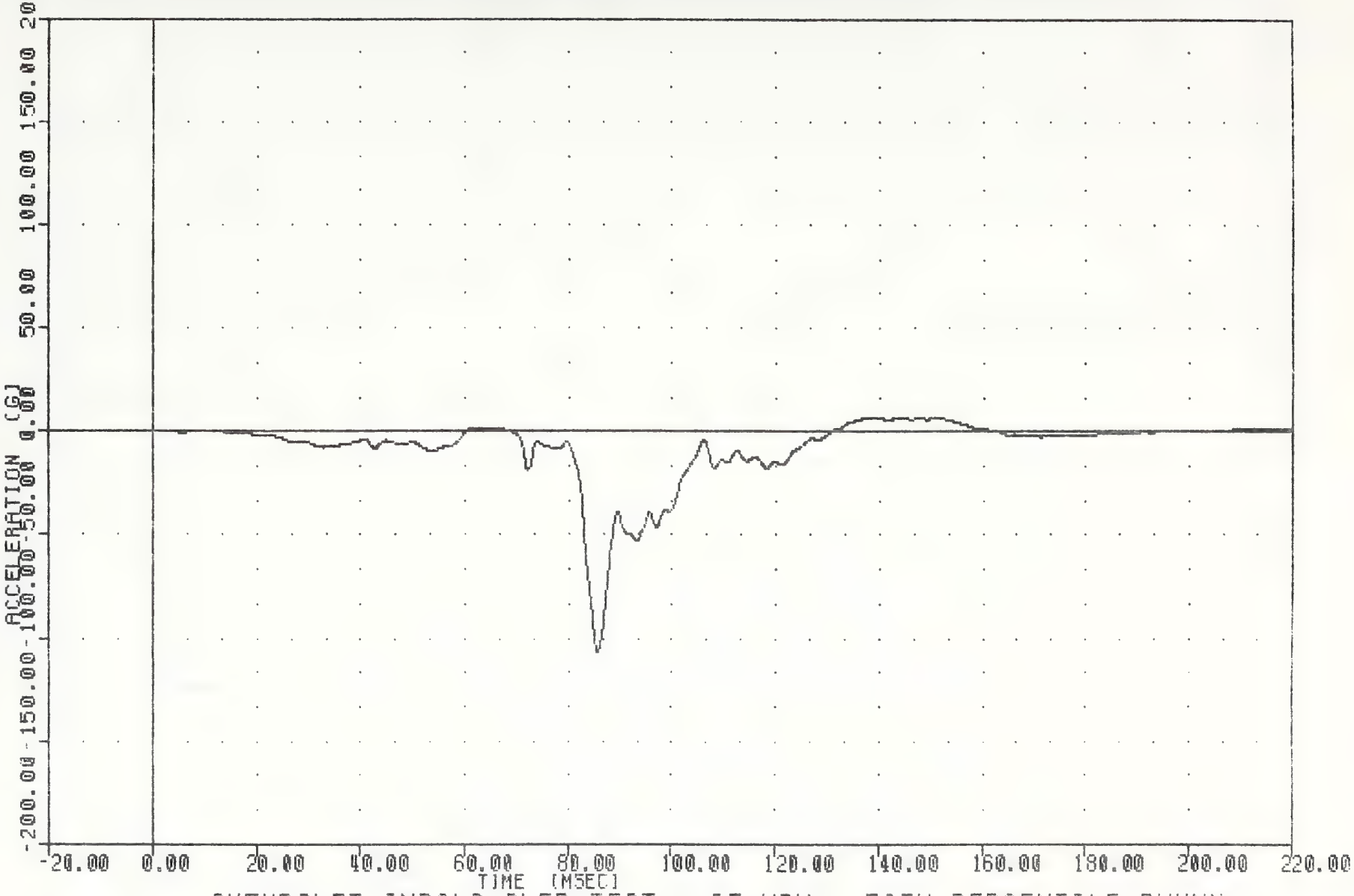
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC . R0384-4-24 PLOT DATE 3-MAY-83 15:25:06
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
CSTZG1 MIN, MAX VALUES = -6.00 @ 128.63 , 32.28 @ 99.50



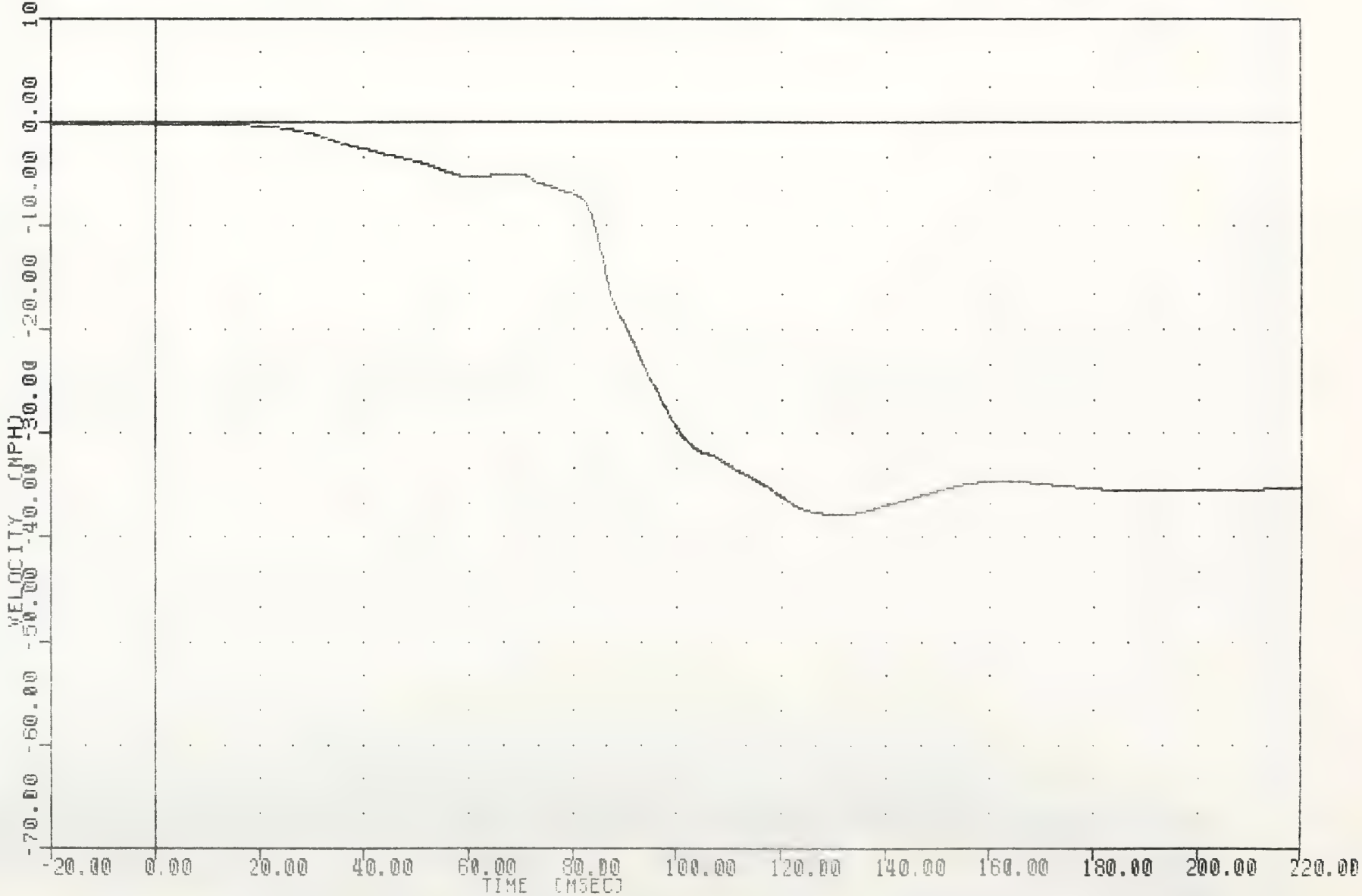
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
PEVXG1 MIN. MAX VALUES = -106.59 @ 85.63 , 7.14 @ 137.88



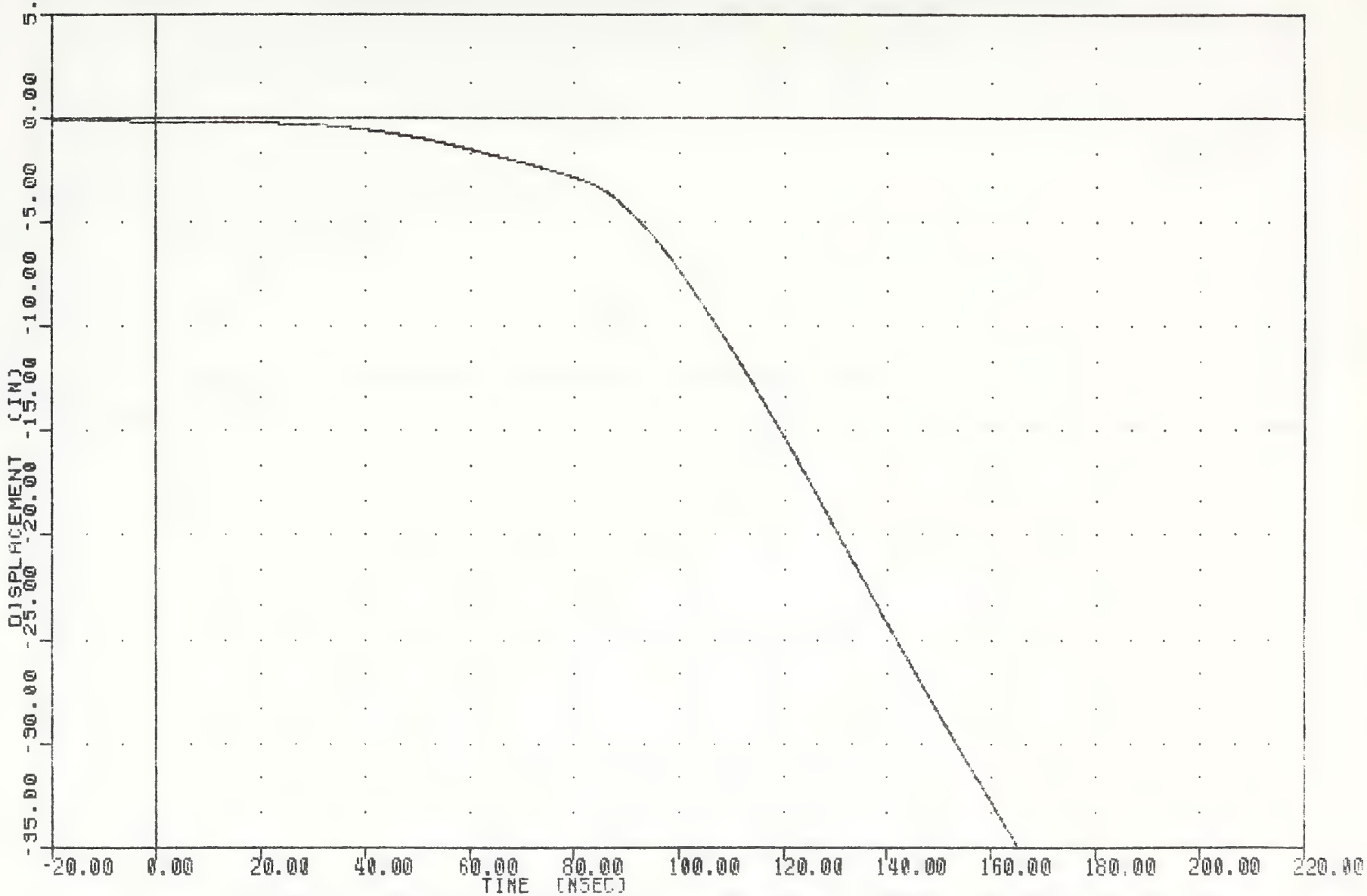
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
PEVXV1 MIN, MAX VALUES = -37.85@ 130.75 , -0.24 @ -18.75



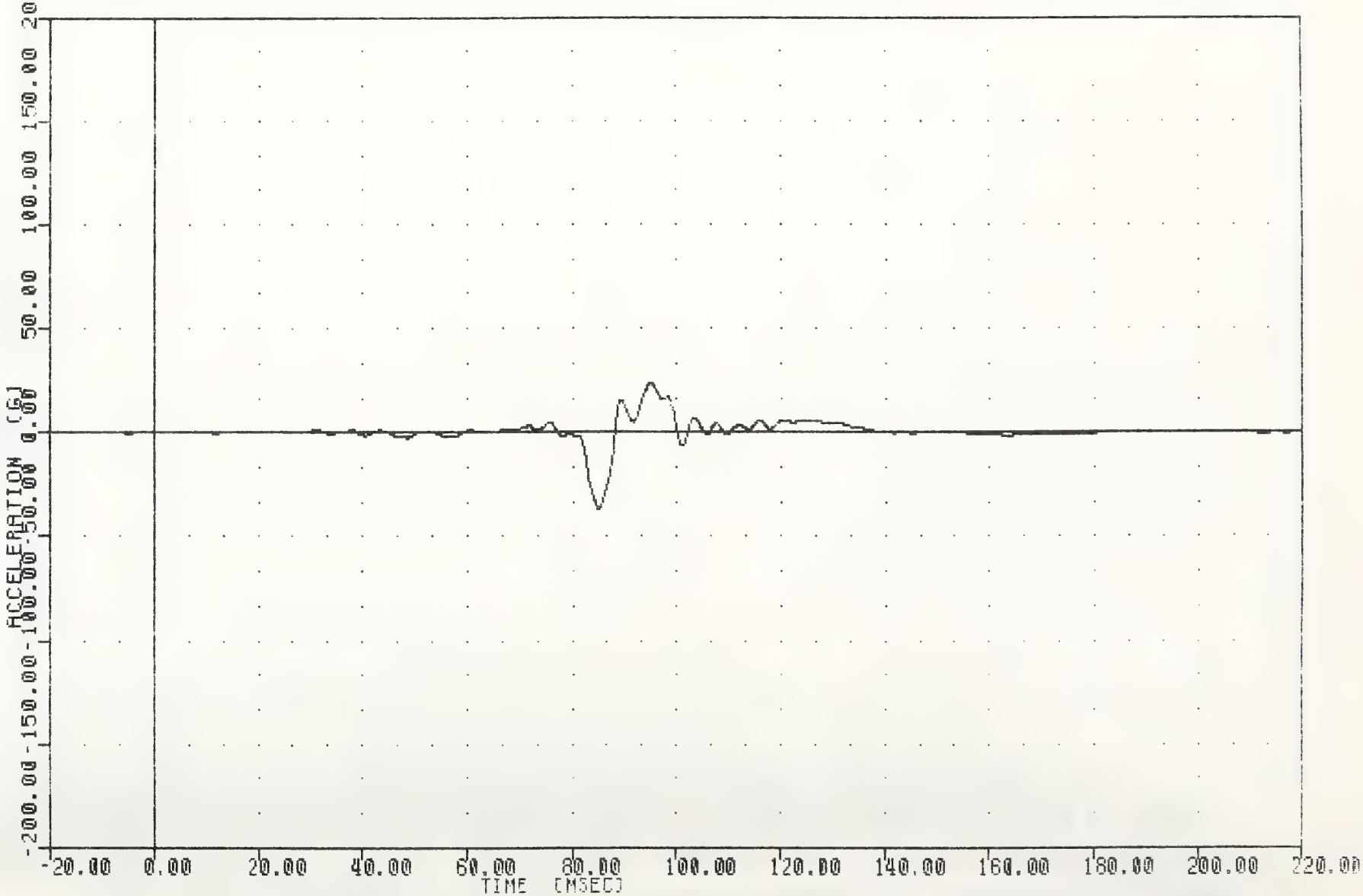
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VATC . RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
PEVXD1 MIN, MAX VALUES = -58.20 @ 220.00 , -0.13 @ -20.00



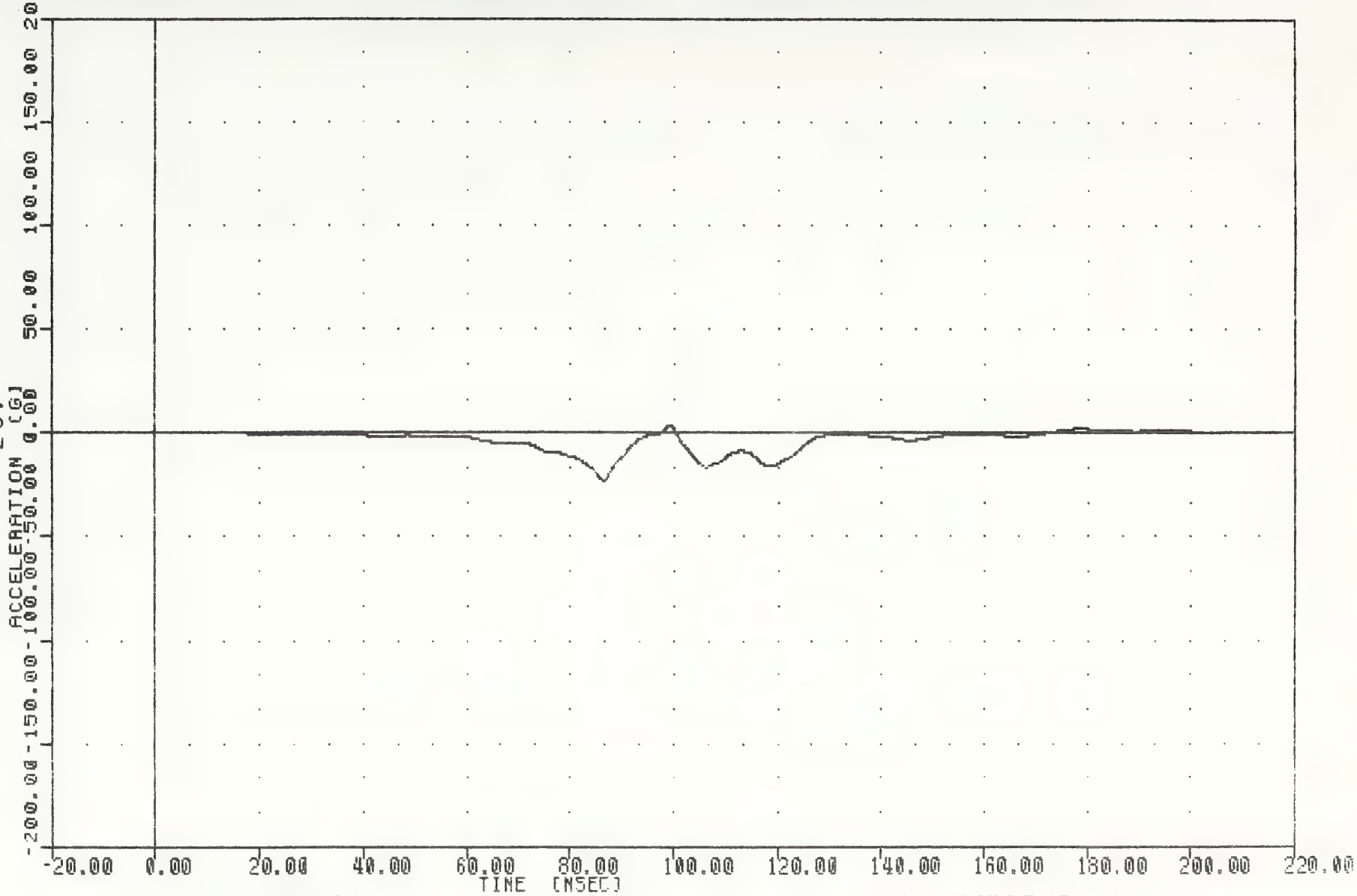
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEVXV1

VRTC , RD384-4-24 PLOT DATE 9-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
PEYYG1 MIN. MAX VALUES = -36.84@ 85.00 , 23.77 @ 95.00

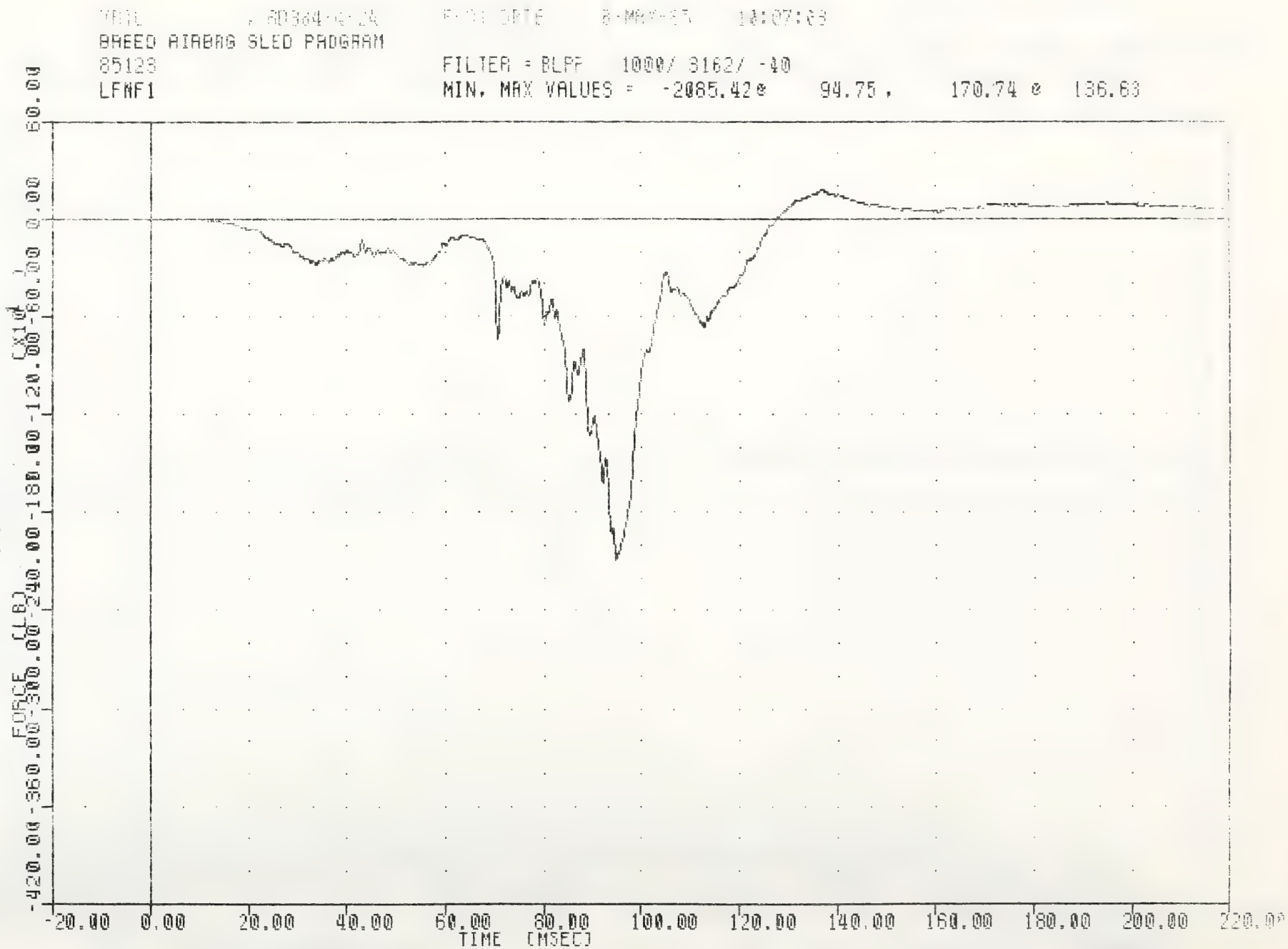


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

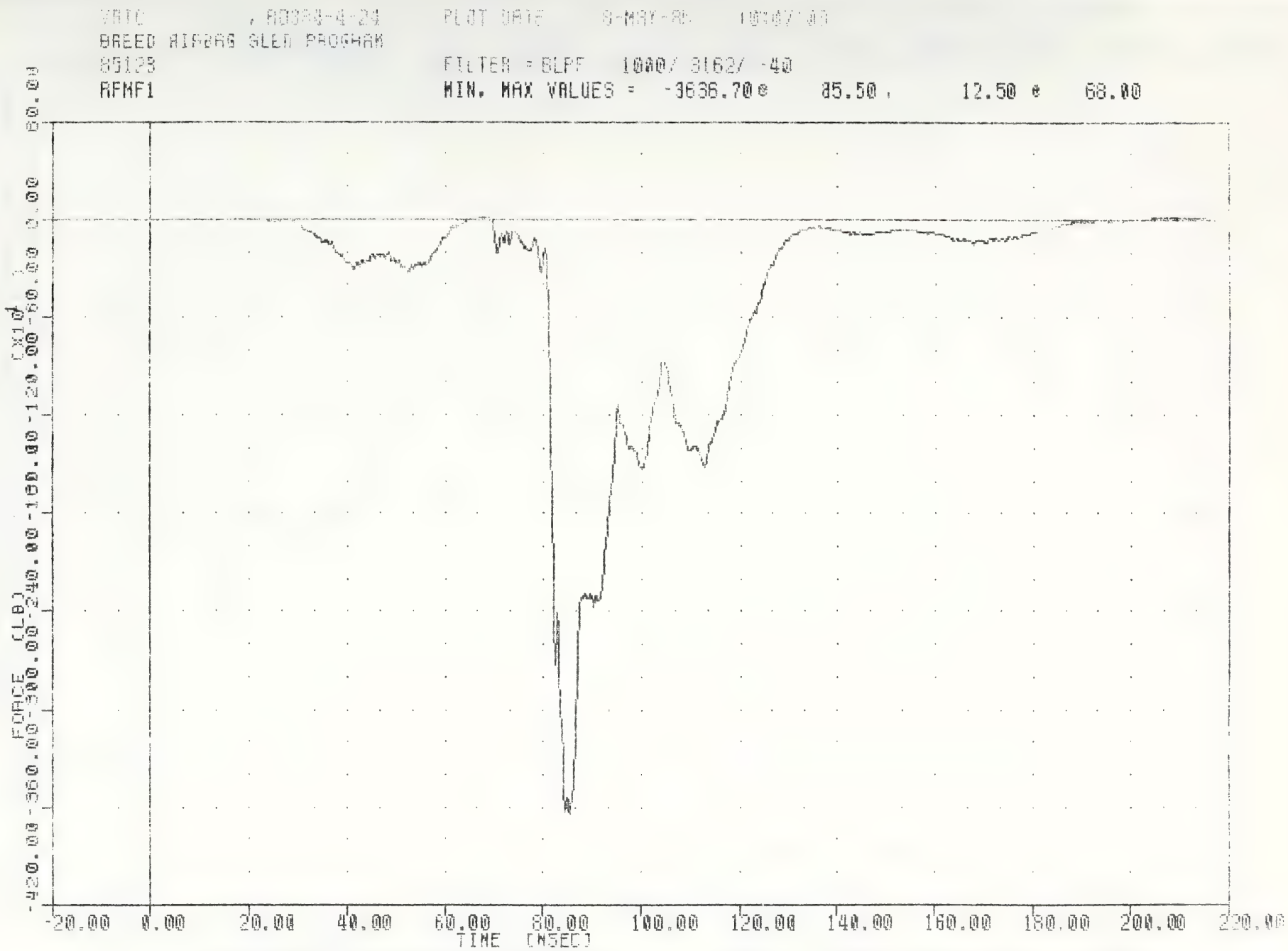
VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
PEVZ61 MIN, MAX VALUES = -22.94 @ 86.38 , 3.69 @ 99.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

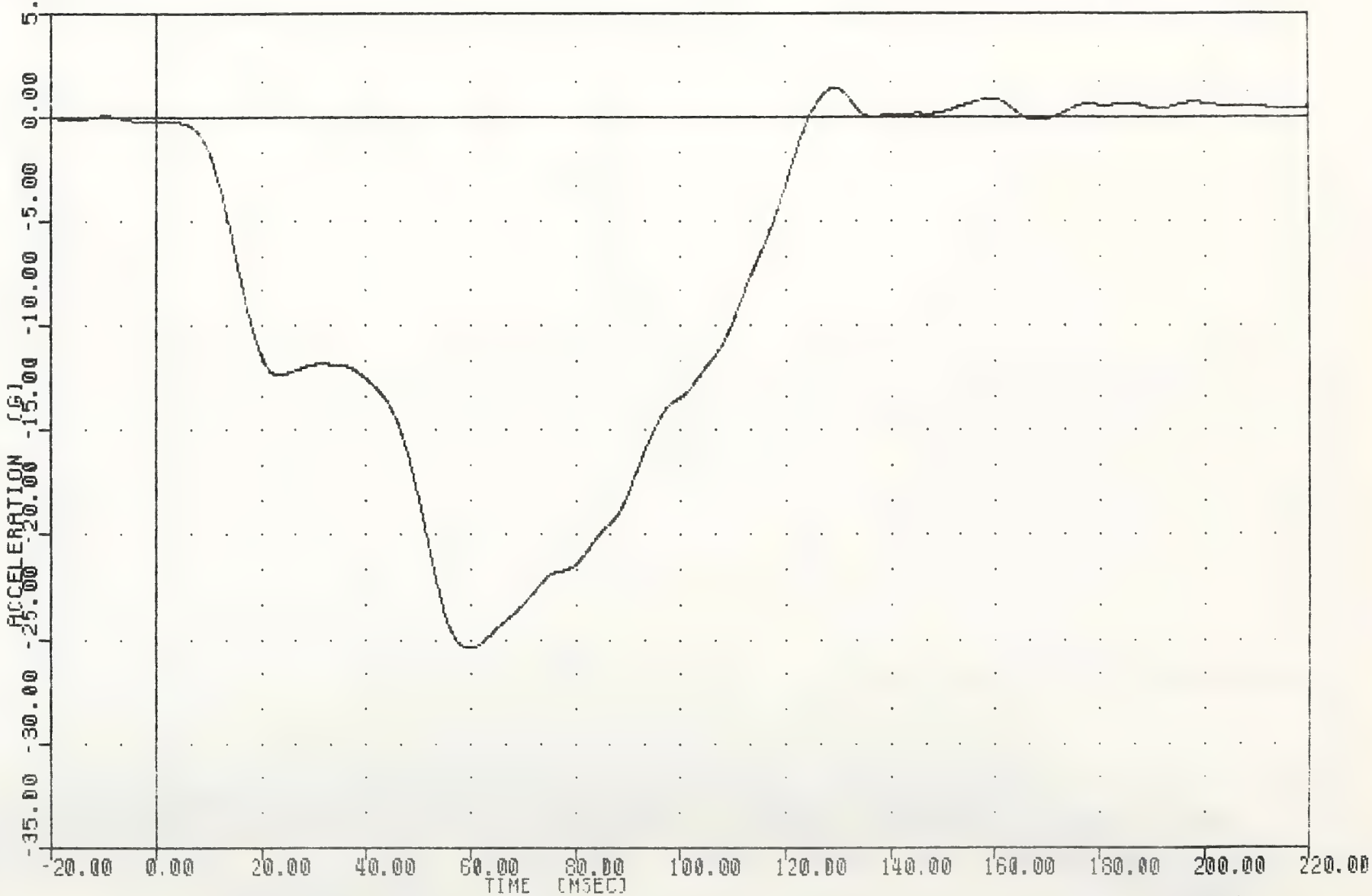


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE



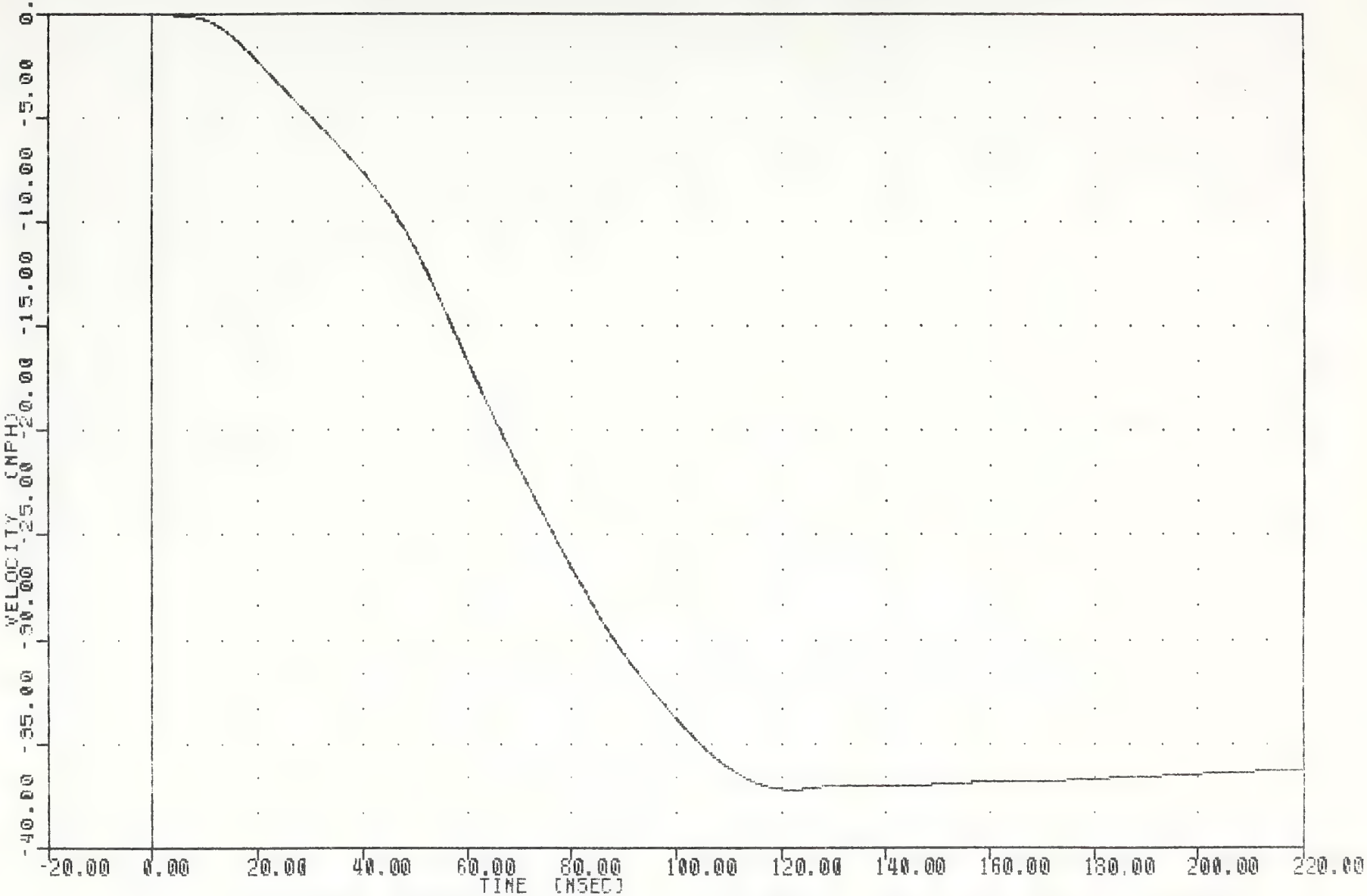
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 100/ 316/ -40
LPBXG MIN. MAX VALUES = -25.41@ 59.86 , 1.38 @ 129.50



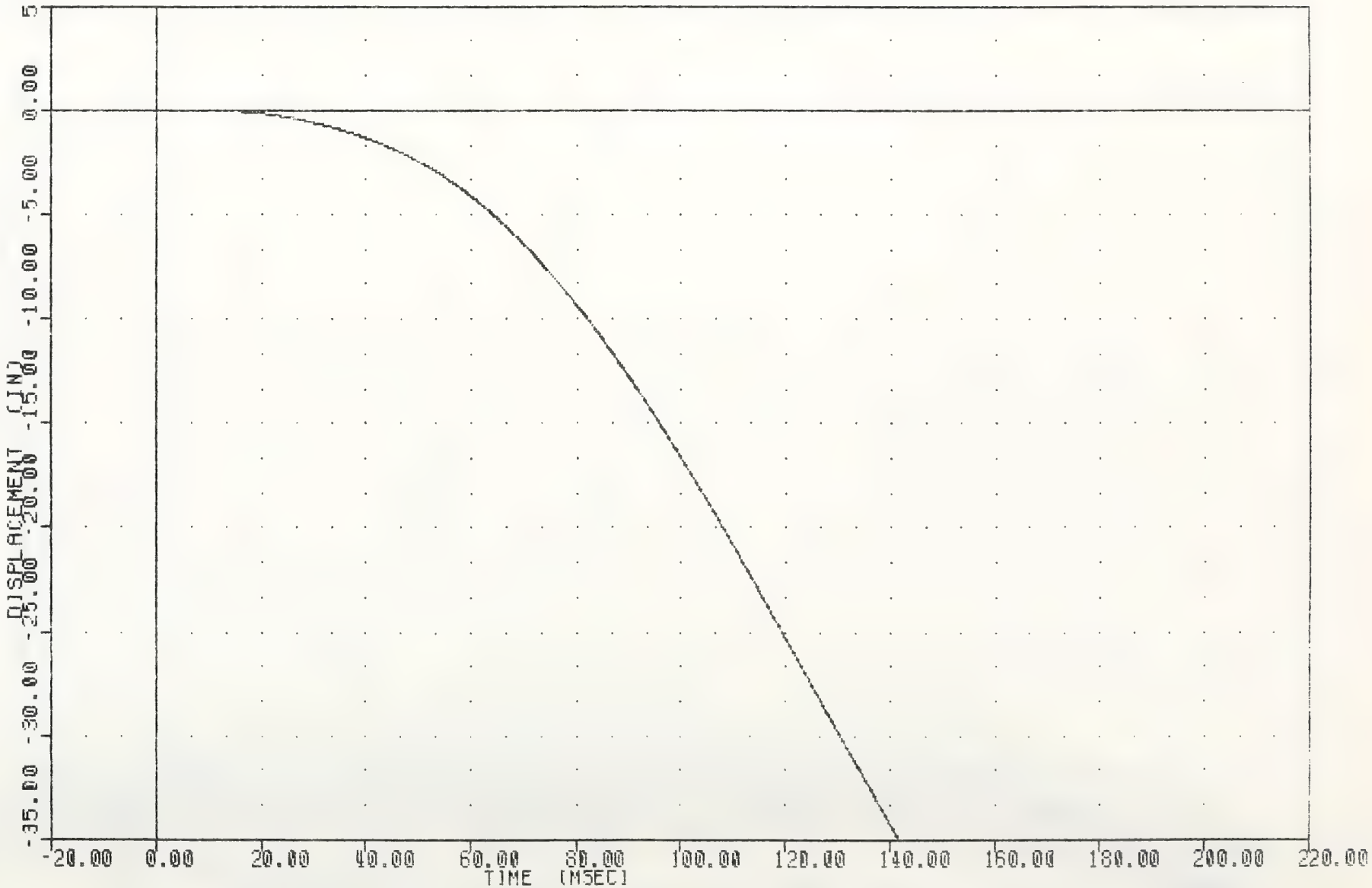
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
LPBXV MIN. MAX VALUES = -37.22@ 121.88, -0.01 @ -20.00



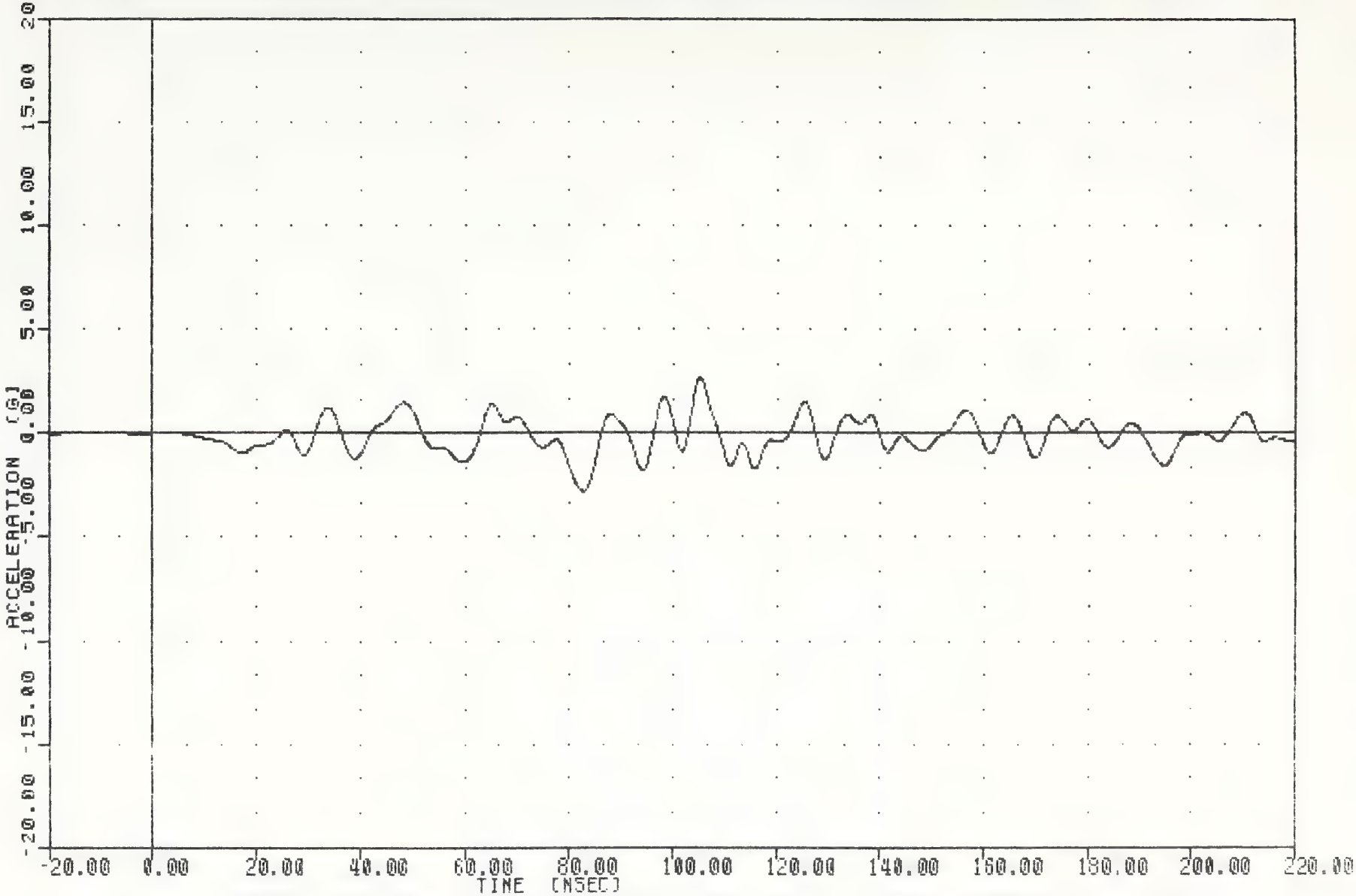
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
LPBXD MIN, MAX VALUES = -69.44 @ 220.00 , 0.00 @ -20.00

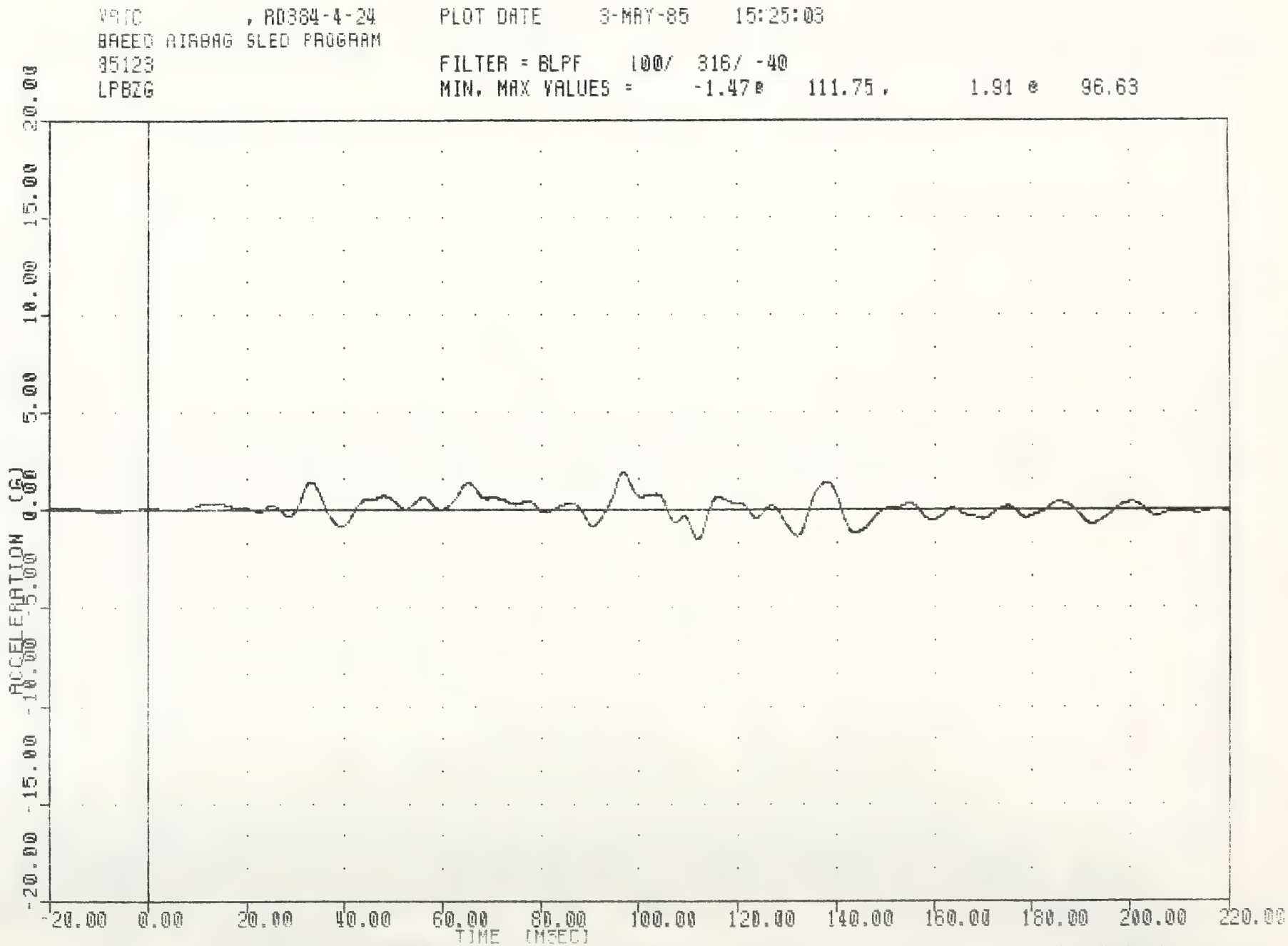


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

VATC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 100/ 316/ -40
LPBY6 MIN, MAX VALUES = -2.81 @ 82.63 , 2.65 @ 105.13

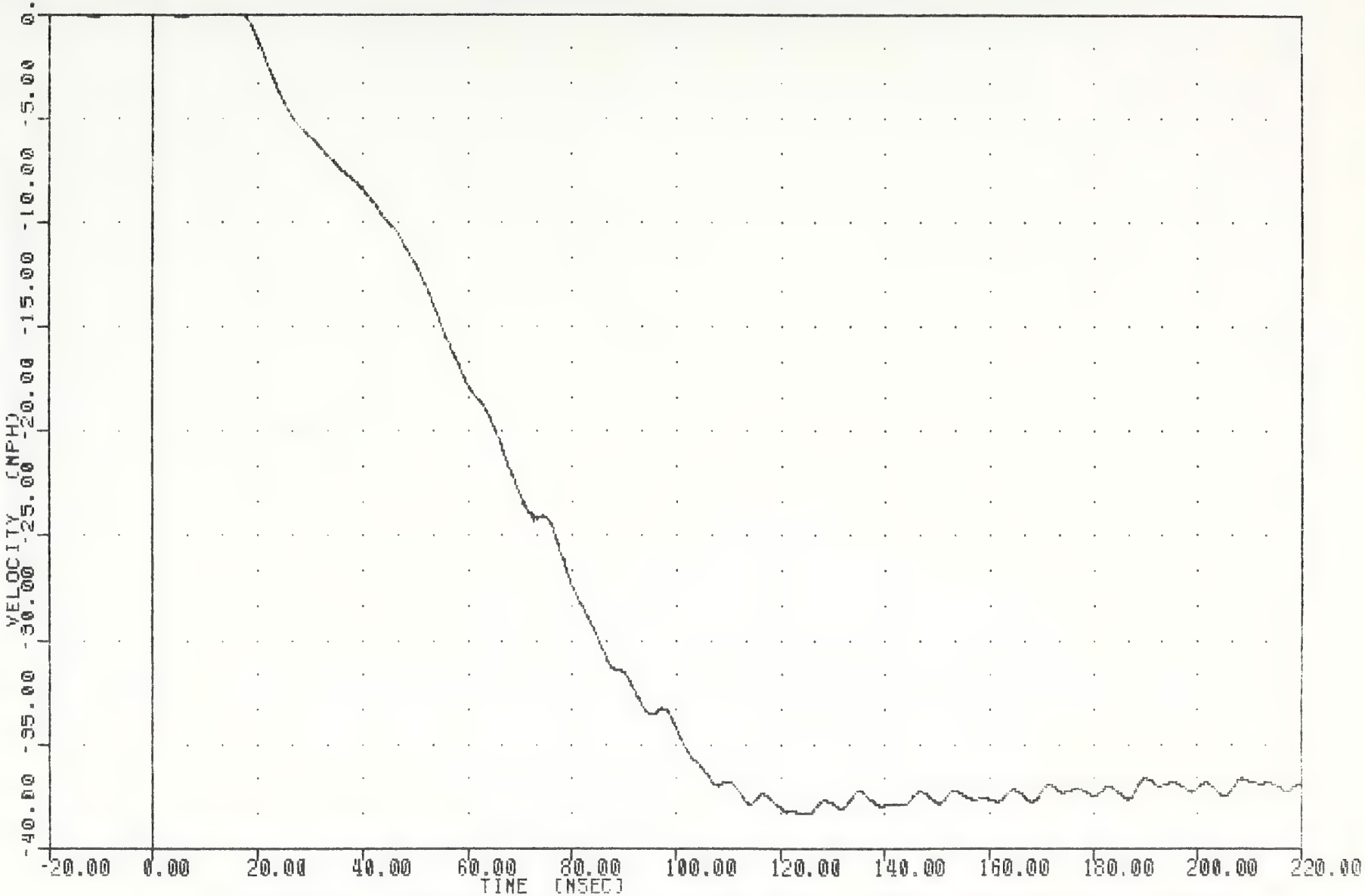


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS



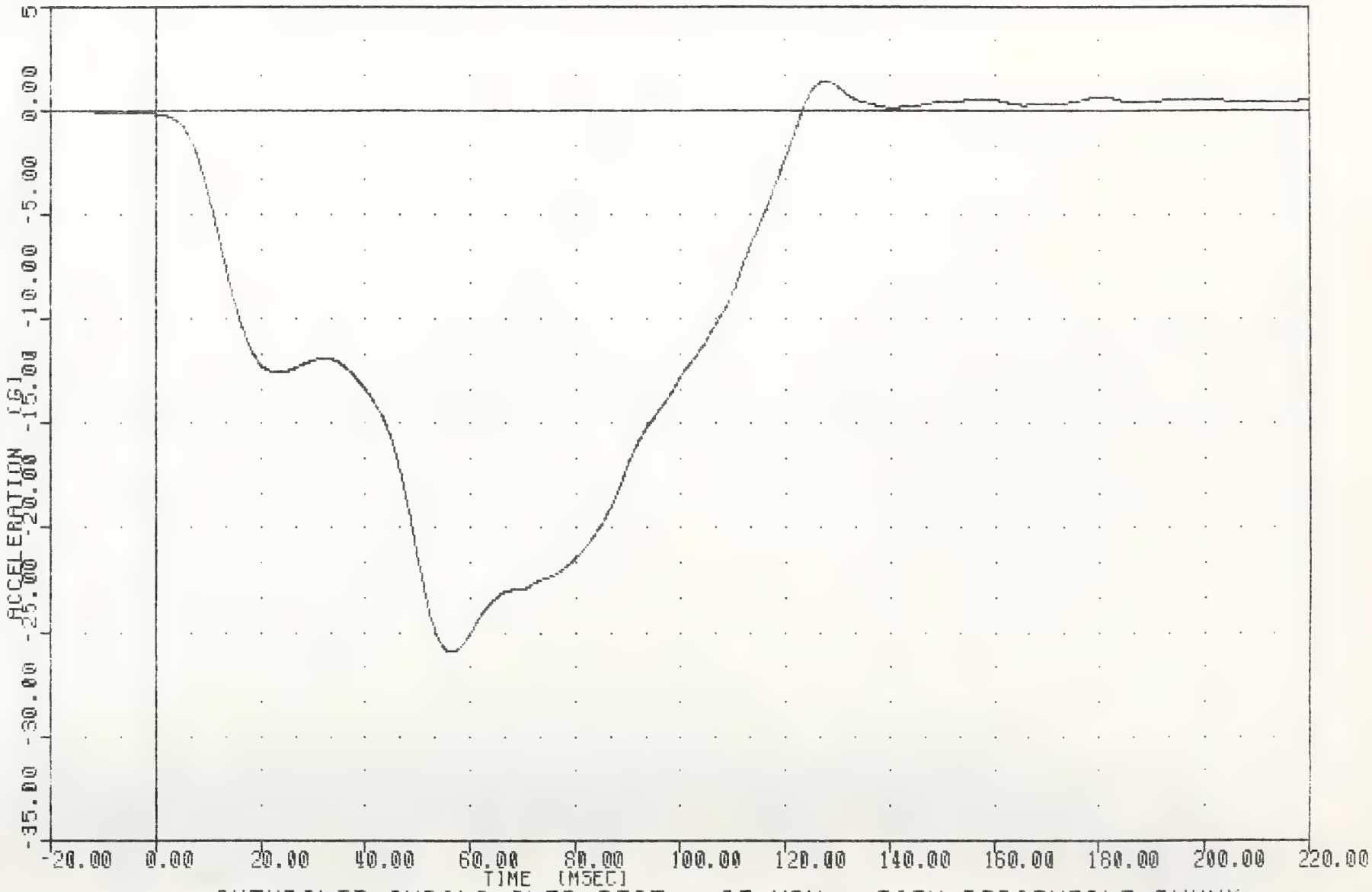
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 100/ 316/ -40
SLDXV MIN, MAX VALUES = -38.37 @ 124.75 , 0.15 @ -0.50



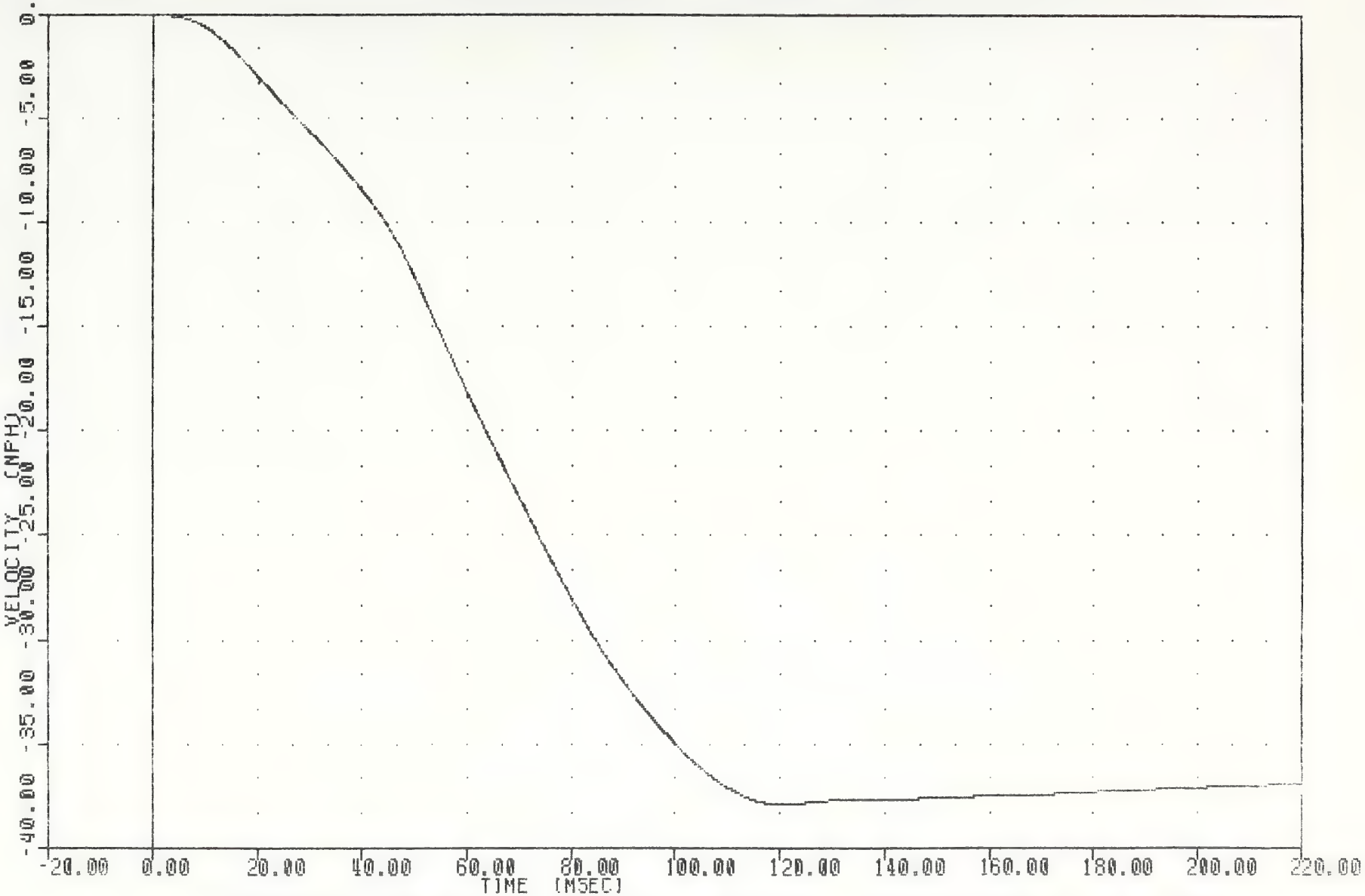
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , R0384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 100/ 316/ -40
SLDXG MIN, MAX VALUES = -25.95@ 56.50, 1.37 @ 127.75



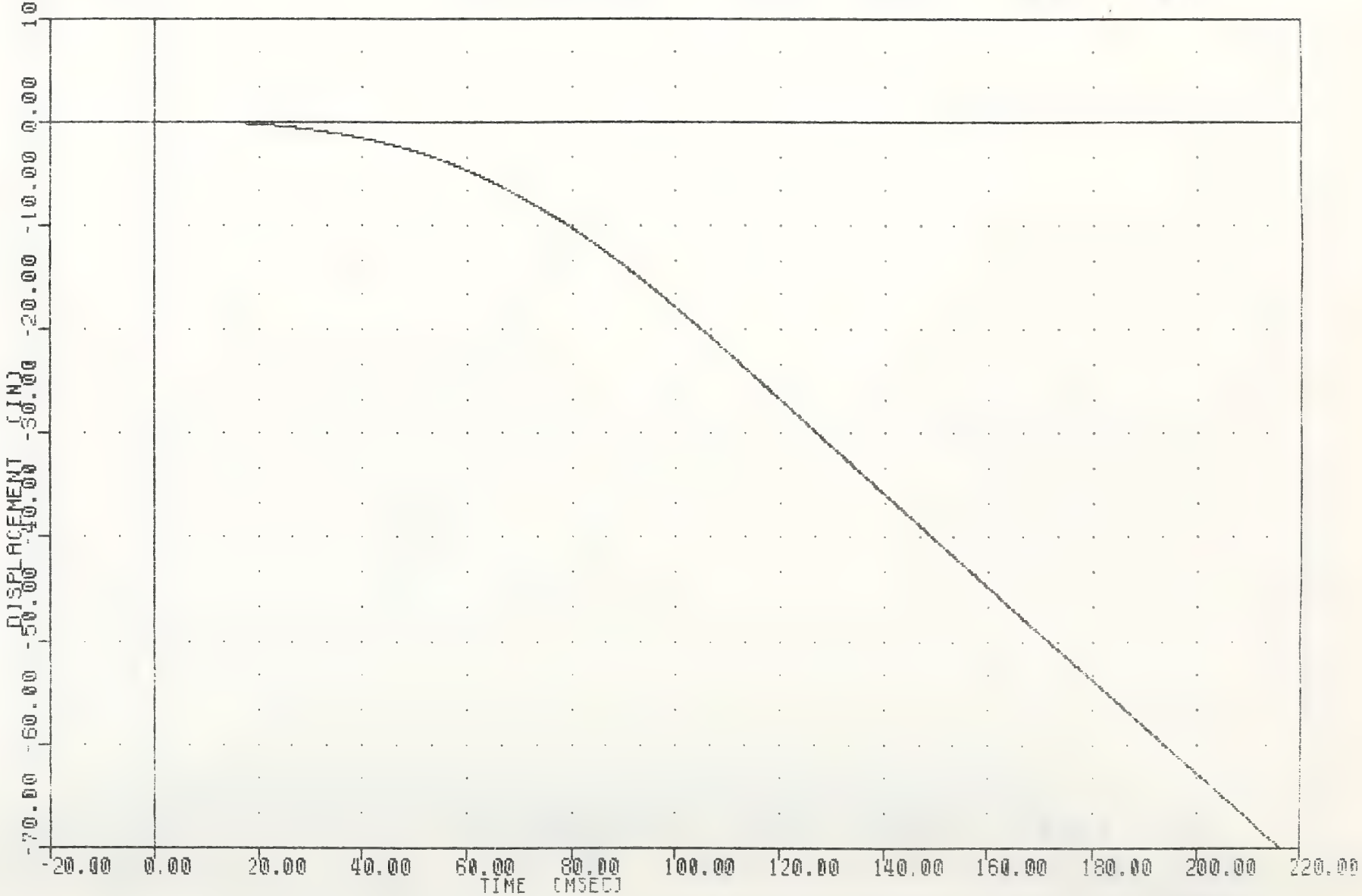
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
SLDXVI MIN. MAX VALUES = -37.93@ 120.50 , 0.01 @ -18.38



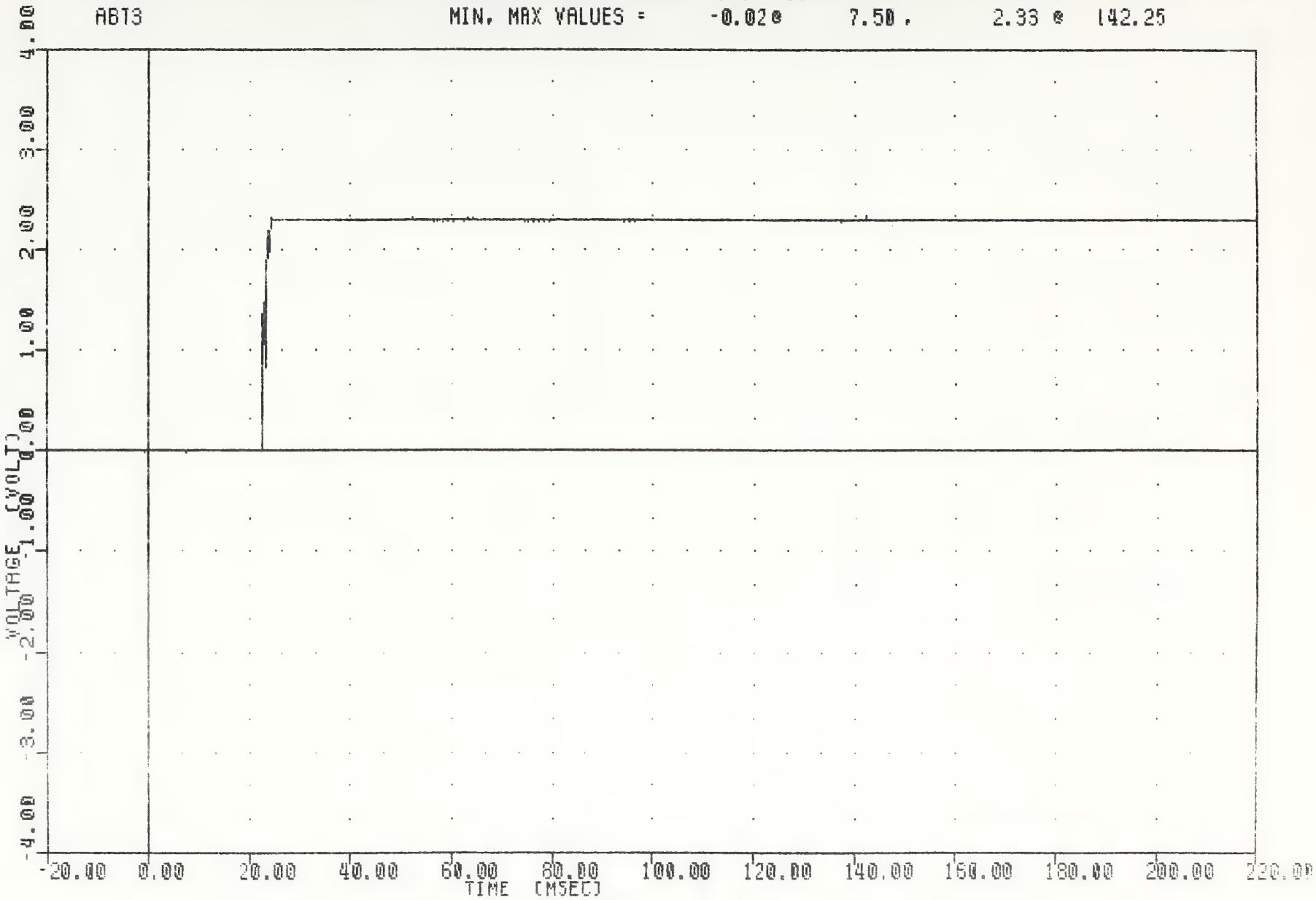
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:09:17
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
SLDXD MIN, MAX VALUES = -71.66@ 220.00 , 0.01 @ -10.75

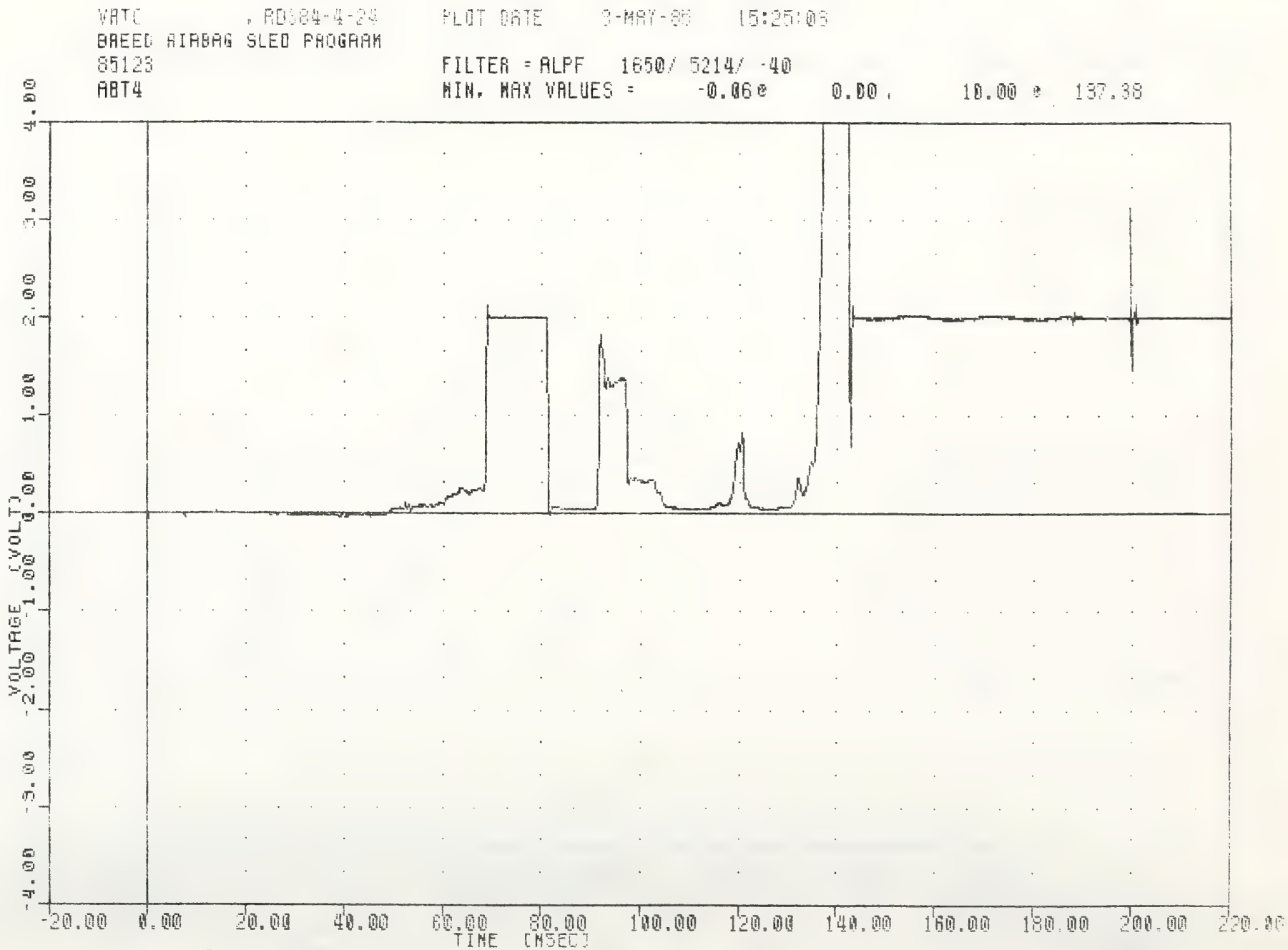


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA Y USING SLDXVI

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 1650/ 5214/ -40
ABT3 MIN, MAX VALUES = -0.02@ 7.50 , 2.33 @ 142.25

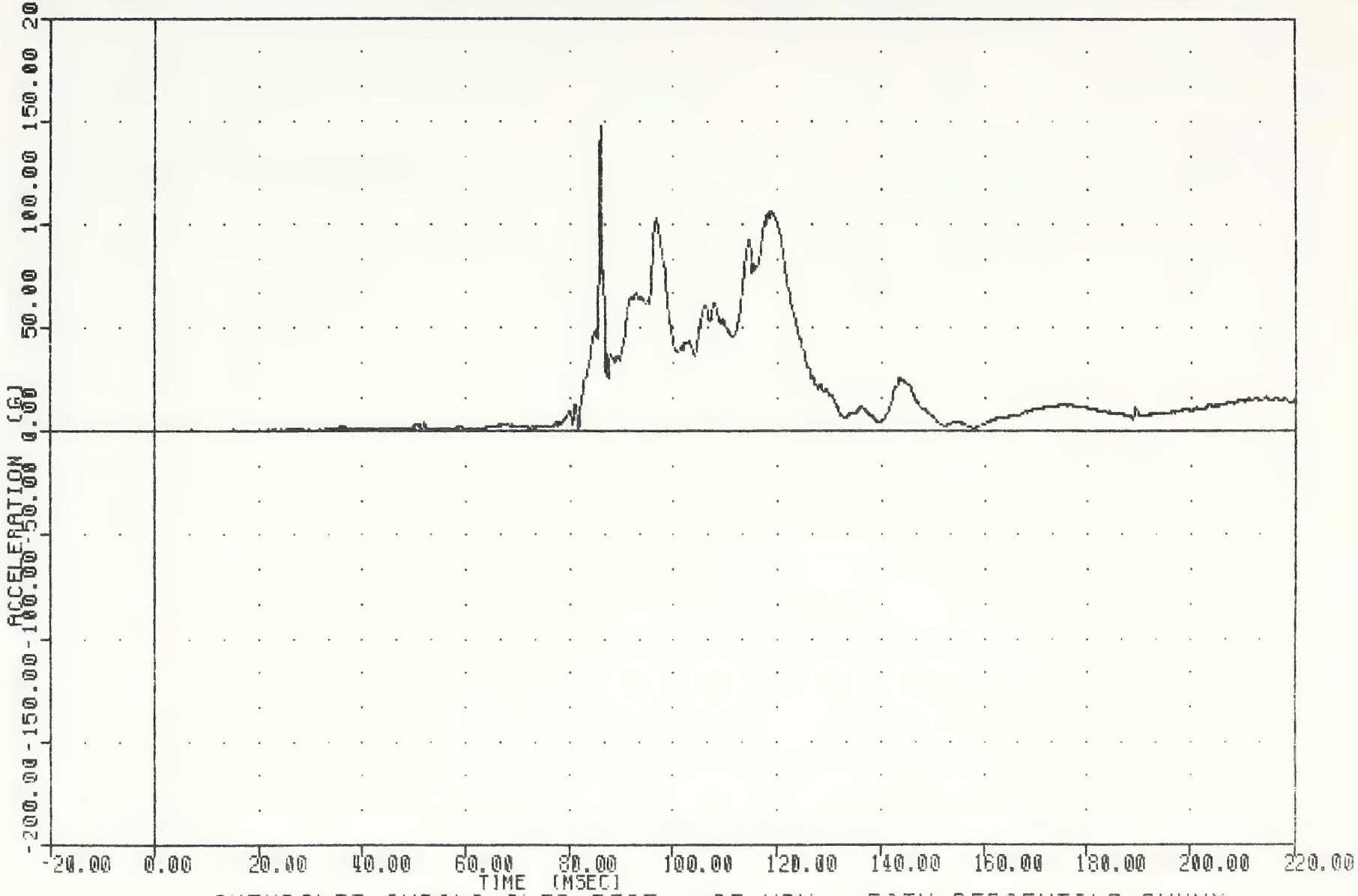


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

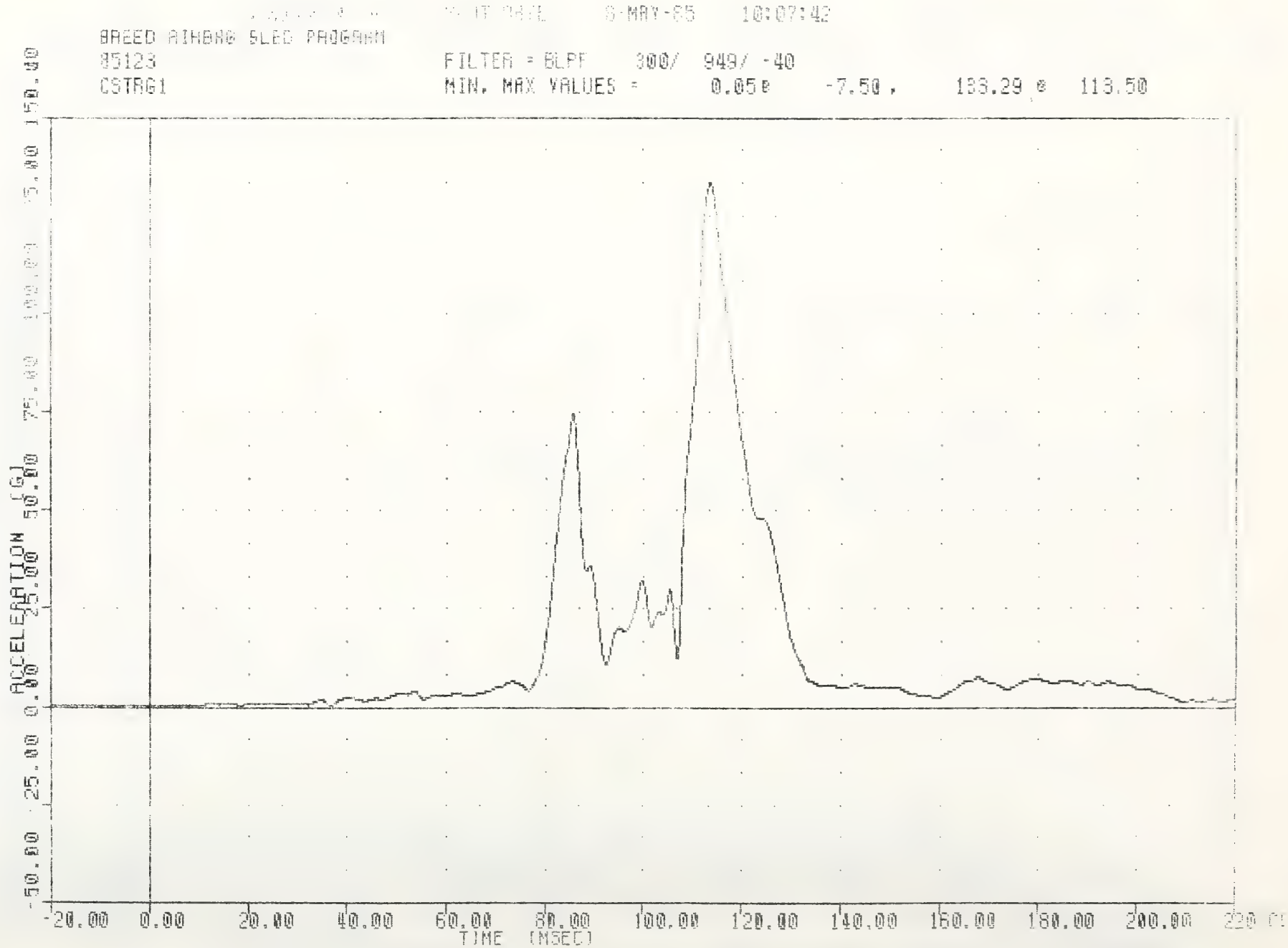


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:13:50
BREED AIRBAG SLED PROGRAM
85123 FILTER = ALPF 1650/ 5214/ -40
HEDRG1 MIN. MAX VALUES = 0.04 @ 2.00 , 147.65 @ 86.00

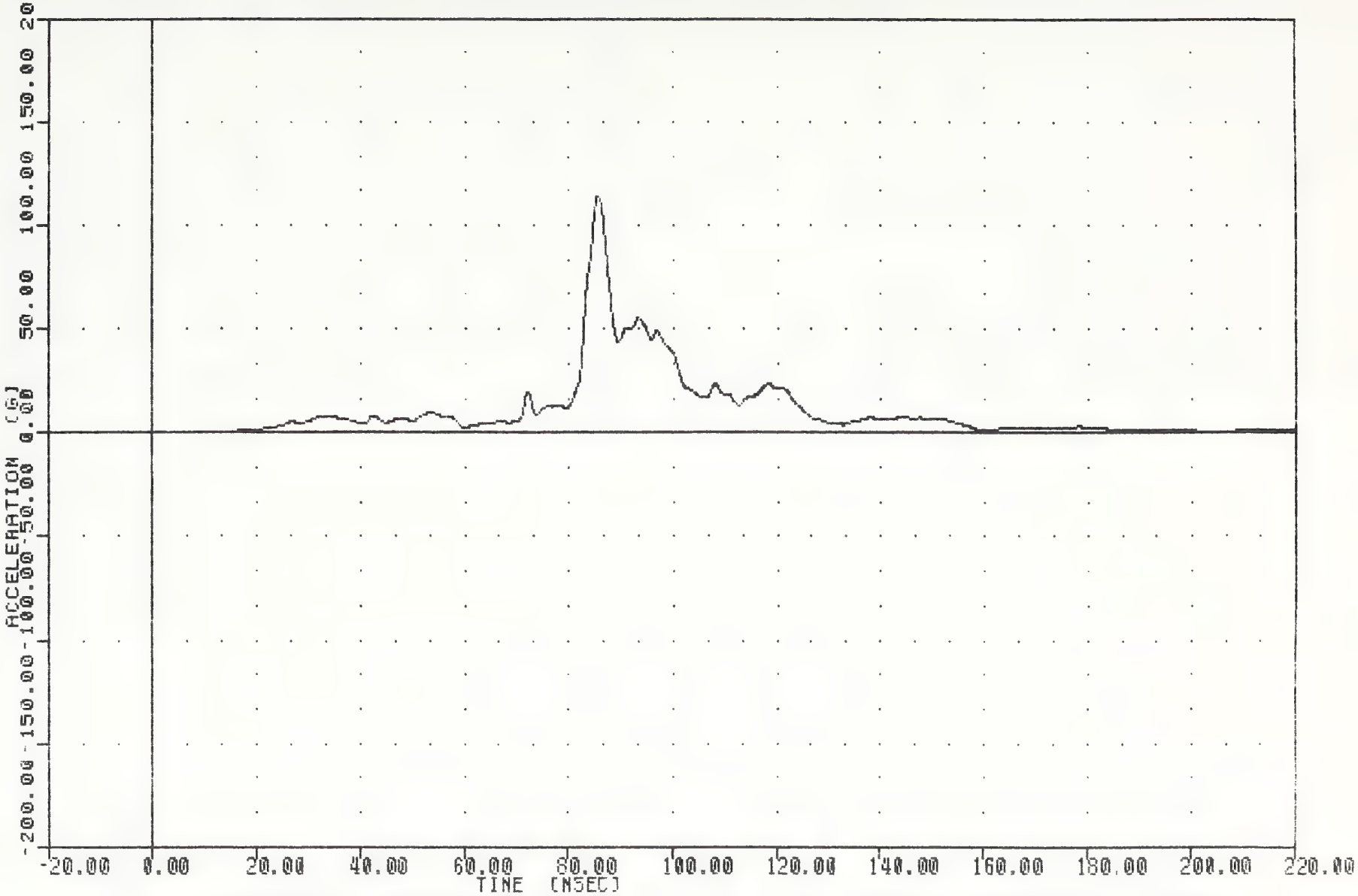


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

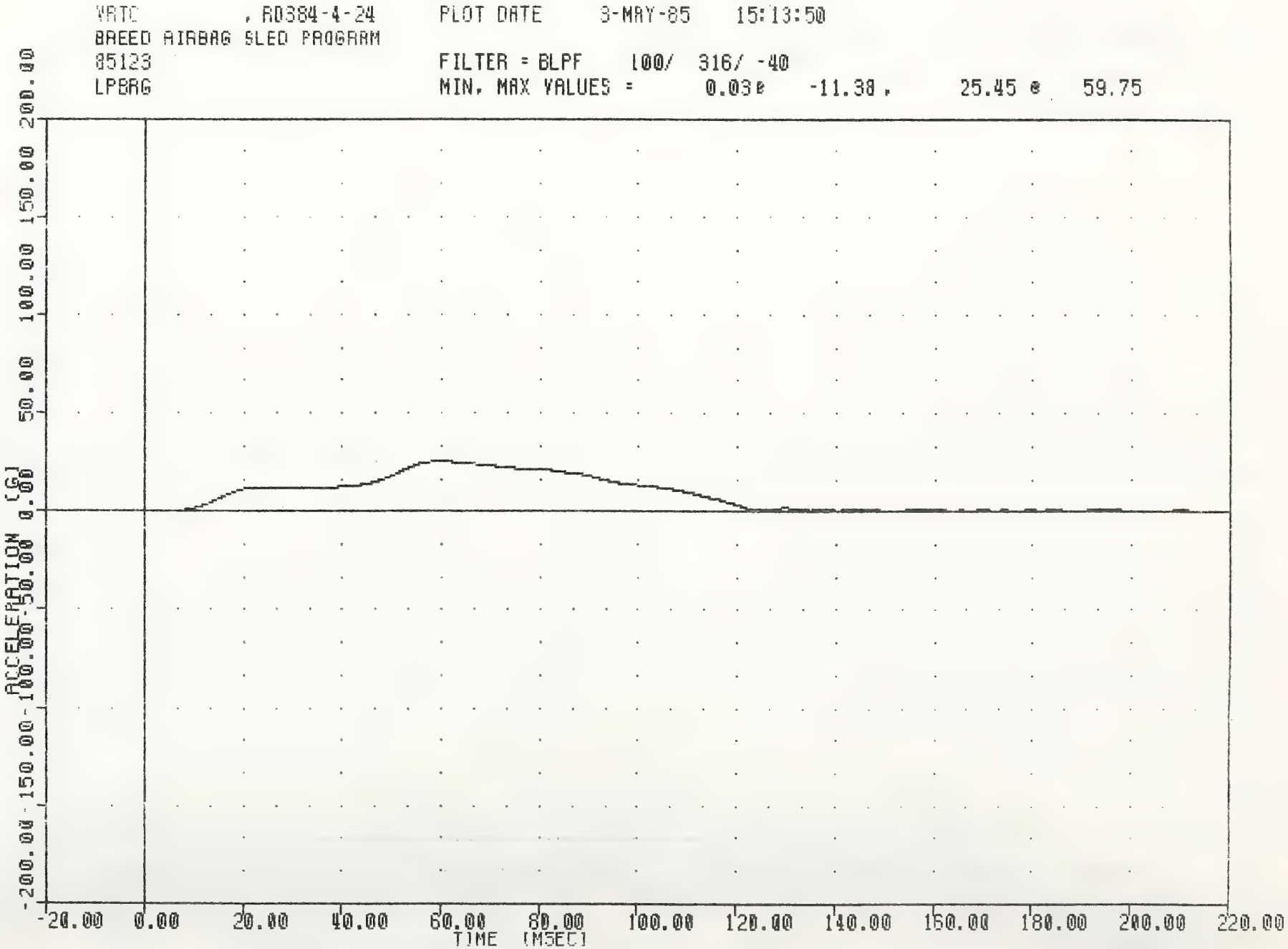


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:13:50
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
PEVR61 MIN, MAX VALUES = 0.02@ 9.25, 113.92 @ 85.50

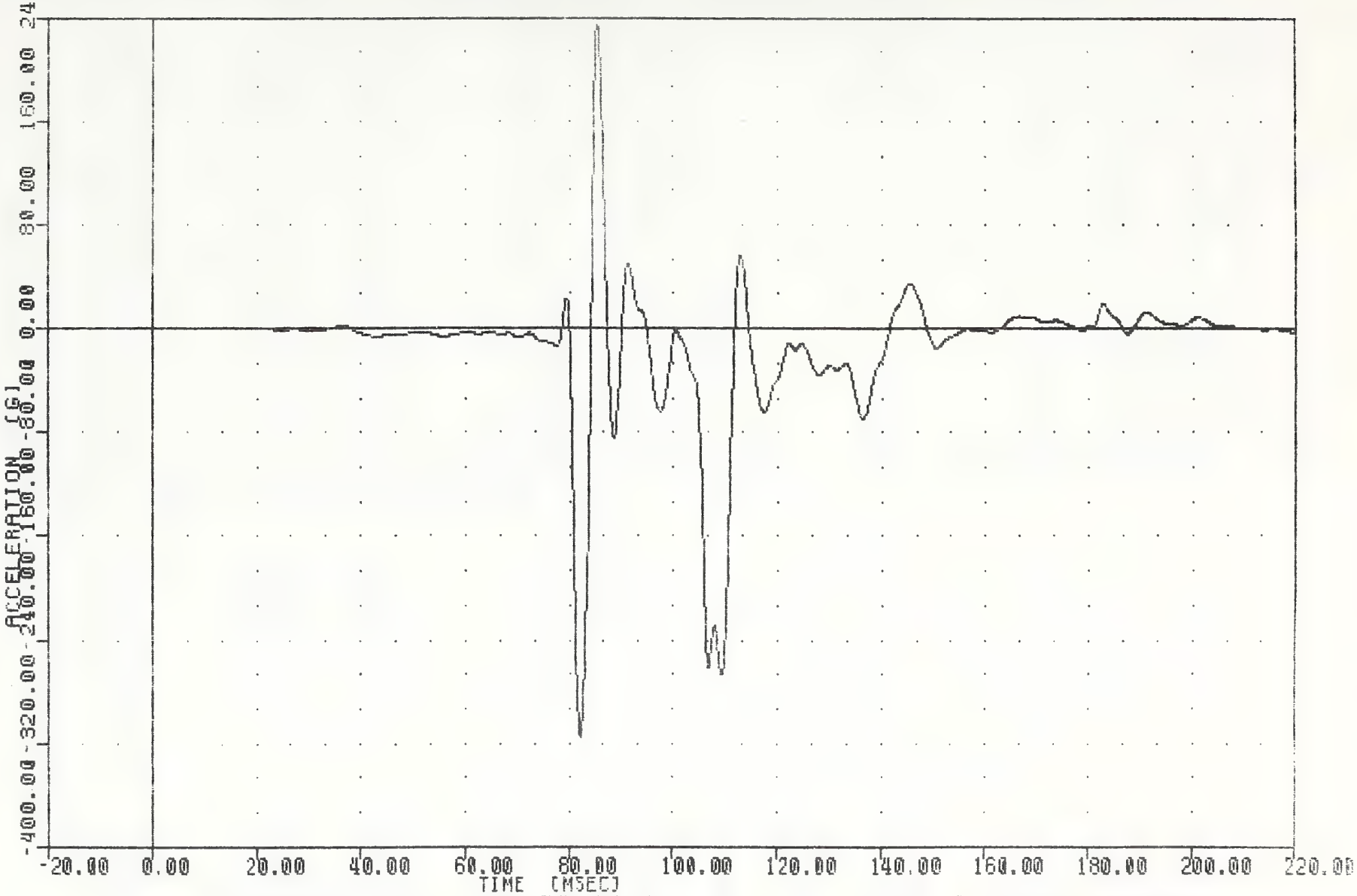


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT



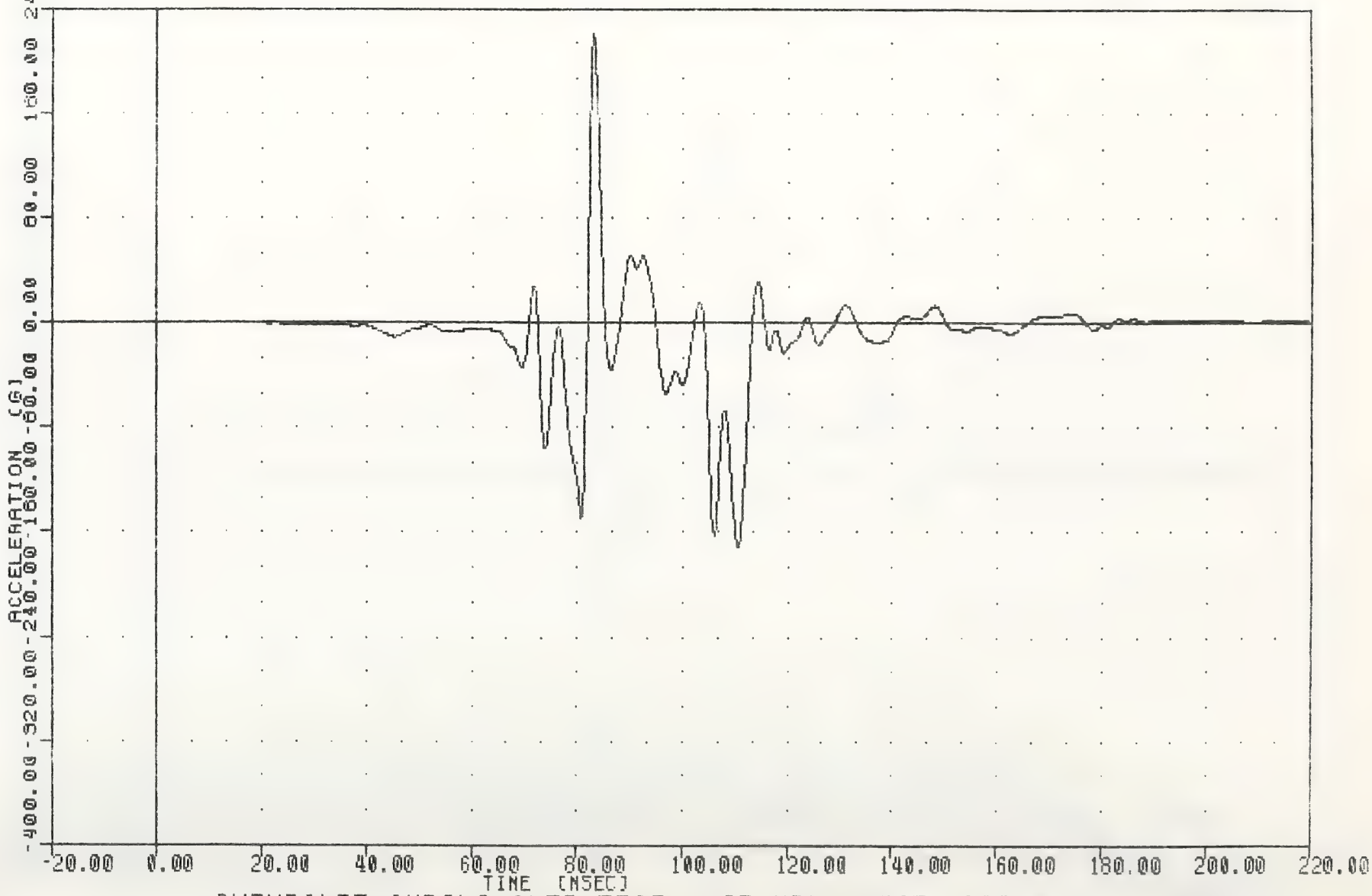
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
USTXG1 MIN, MAX VALUES = -314.81@ 82.13 , 235.06 @ 85.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
BREED AIRBAG SLED PROGRAM
85123 FILTER = BLPF 300/ 949/ -40
LSTX61 MIN, MAX VALUES = -171.87@ 110.38 , 220.36 @ 83.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC432P.RAD;1
VRTC RD384-4-25 BREED AIRBAG SLED PROGRAM 6-MAY-85 15:21
85126 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.049 @ 76.625	1.589 @ -17.500 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-33.016 @ 120.000	0.165 @ -20.000 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.344 @ 57.375	0.607 @ 131.750 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-49.554 @ 78.625	1.909 @ 52.250 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-0.987 @ 71.750	6.762 @ 90.250 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-8.672 @ 119.625	22.047 @ 84.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-45.319 @ 80.875	4.834 @ 176.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-1.255 @ 84.750	2.884 @ 100.125 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-8.877 @ 104.750	2.127 @ 177.875 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-90.291 @ 76.625	68.548 @ 55.750 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-90.302 @ 76.625	70.550 @ 56.750 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-43.133 @ 86.125	1.161 @ 212.625 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-10.015 @ 82.250	5.123 @ 103.125 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-13.495 @ 108.750	1.965 @ 184.250 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-1425.222 @ 92.000	62.289 @ 219.125 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-1575.763 @ 85.500	26.240 @ 182.000 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-46.177 @ 60.875	19.187 @ 83.500 msec	g	BLPF 100/ 316/ -40
18	STHLG	-9.047 @ 62.000	14.386 @ 69.625 msec	g	BLPF 100/ 316/ -40
19	STHIG	-21.192 @ 91.500	50.630 @ 98.375 msec	g	BLPF 100/ 316/ -40
20	LPBXG	-23.142 @ 59.625	0.794 @ 132.750 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-1.456 @ 115.625	2.936 @ 33.625 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-1.446 @ 30.500	1.709 @ 26.250 msec	g	BLPF 100/ 316/ -40
23	ABTP	-9.063 @ 69.875	39.445 @ 30.125 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-2.496 @ 26.375	0.003 @ -12.875 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-3.343 @ 25.500	0.002 @ -14.125 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-0.006 @ -0.250	2.342 @ 25.000 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-3.487 @ 215.125	9.992 @ 108.625 msec	volt	ALPF 1650/ 5214/ -40

TRC432IP.RAD;1
VRTC RD384-4-25 BREED AIRBAG SLED PROGRAM 6-MAY-85 15:21
85126 30.00 mph

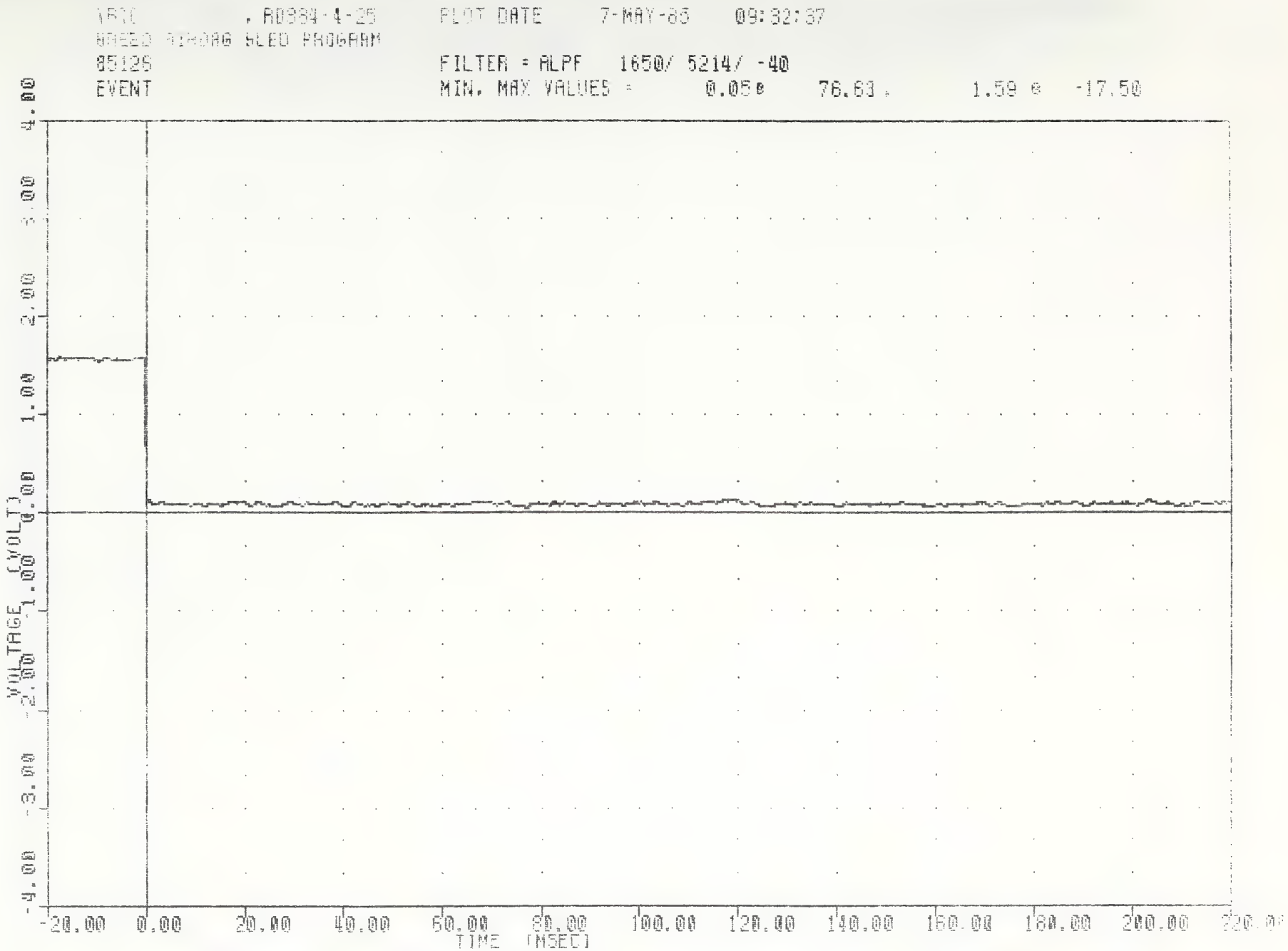
		Min value	Max value	Data Units	Filter
1	HEDXV1	-38.681 @ 209.125	0.233 @ 56.875 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-55.397 @ 220.000	-0.090 @ -20.000 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-37.856 @ 148.500	-0.705 @ -1.375 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-59.396 @ 220.000	-0.374 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-33.962 @ 119.250	-0.655 @ -10.250 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-57.856 @ 220.000	-0.345 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-32.416 @ 115.625	0.000 @ -19.250 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.333 @ 220.000	0.000 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-25.024 @ 117.750	-0.063 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-44.244 @ 220.000	-0.031 @ -20.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-31.716 @ 116.750	0.010 @ -15.500 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-60.050 @ 220.000	0.001 @ -9.250 msec	in	BLPF 300/ 949/ -40

TRC432RP.RAD;1
VRTC RD384-4-25 BREED AIRBAG SLED PROGRAM 6-MAY-85 15:21
85126 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.023 @ 8.750	53.006 @ 83.625 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.019 @ -8.875	45.557 @ 80.875 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.056 @ -10.000	44.020 @ 86.125 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.095 @ -10.250	55.554 @ 99.250 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.102 @ -3.625	23.145 @ 59.625 msec	g	BLPF 100/ 316/ -40

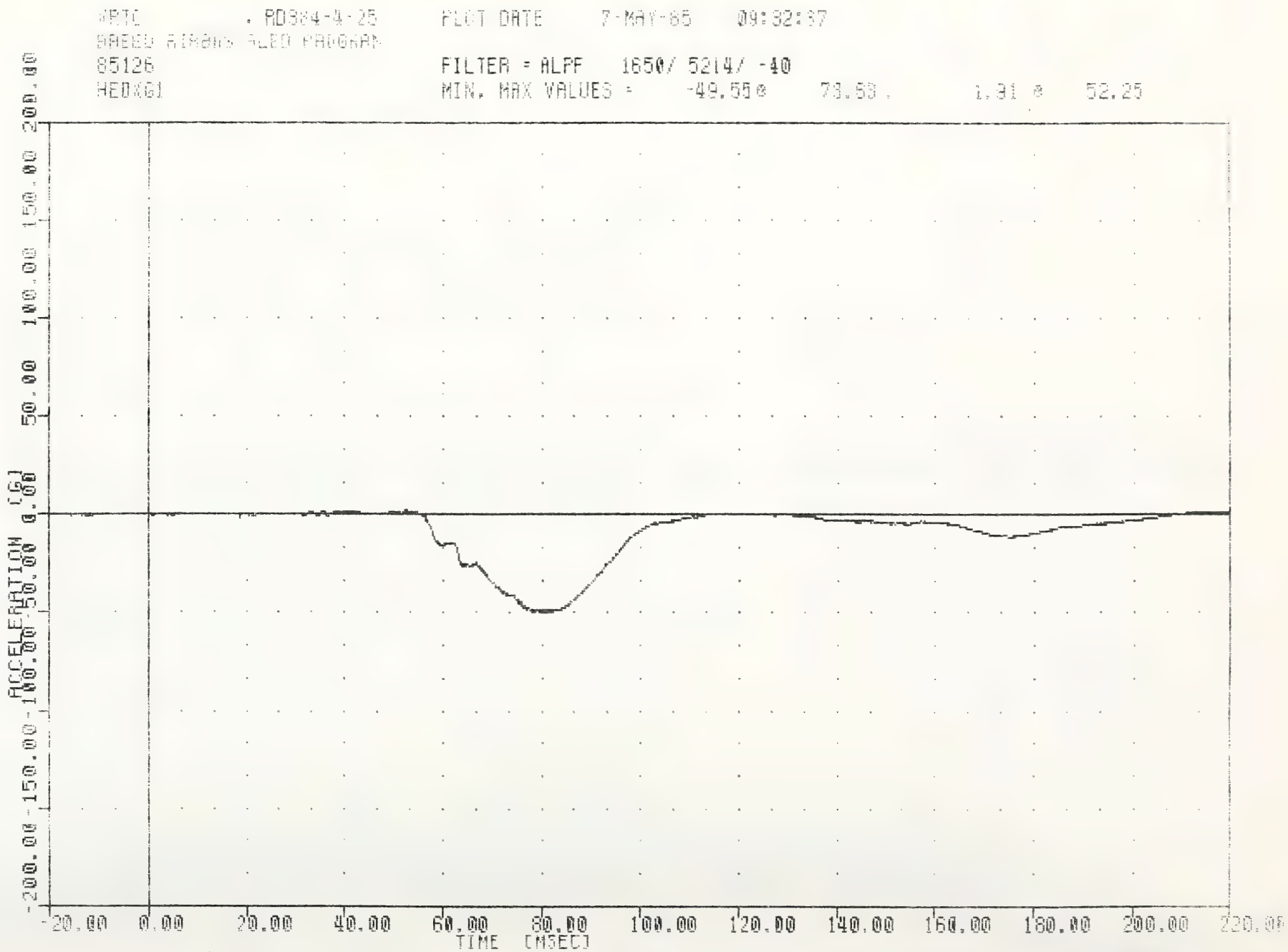
```
HIC -- Head Injury Criterion computed from a single channel

TRC432RP.RAD;1
 VRTC        RD384-4-25  BREED AIRBAG SLED PROGRAM
 85126       30.00 mph


* * *   HIC computation for HEDRG1                          6-MAY-85 15:23

   Using time range =   0.000 to 104.750 msec     Peak accel =  53.01 @  83.625

HIC =  315.89     Interval from  63.500 [ 669] to  94.125 [ 914]

HIC =  249.00     Interval from  73.875 [ 752] to  88.875 [ 872]
```

```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC432RP

File TRC432RP  ->  5 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-25  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 STHRG  LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC432RP.RAD;1                              VRTC        RD384-4-25
BREED AIRBAG SLED PROGRAM        30.0 mph      85126          6-MAY-85 15:44:34
Deltax: 0.125

3 MS CLIP PEAK:    43.38042

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```



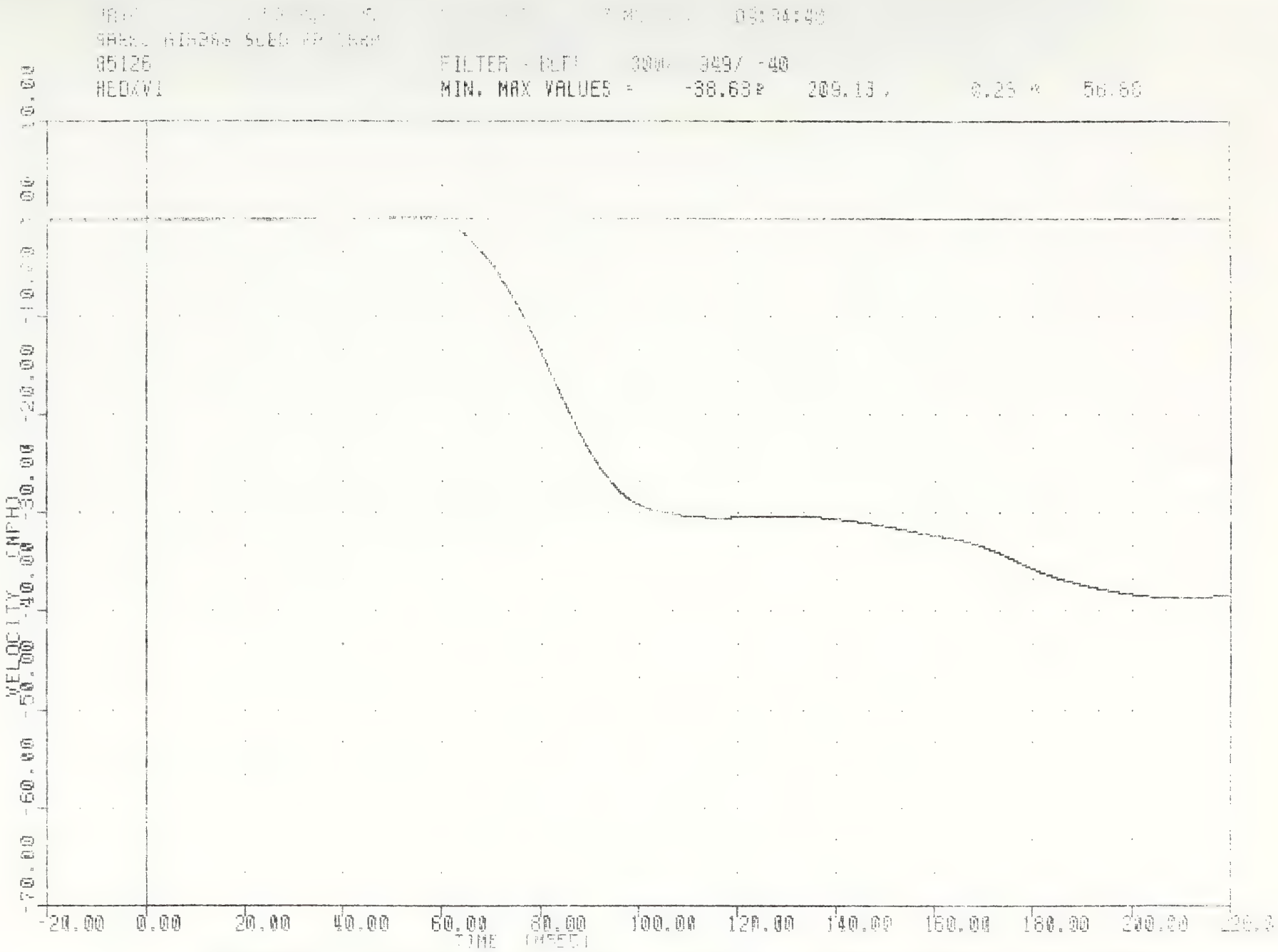
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

PAGE 1

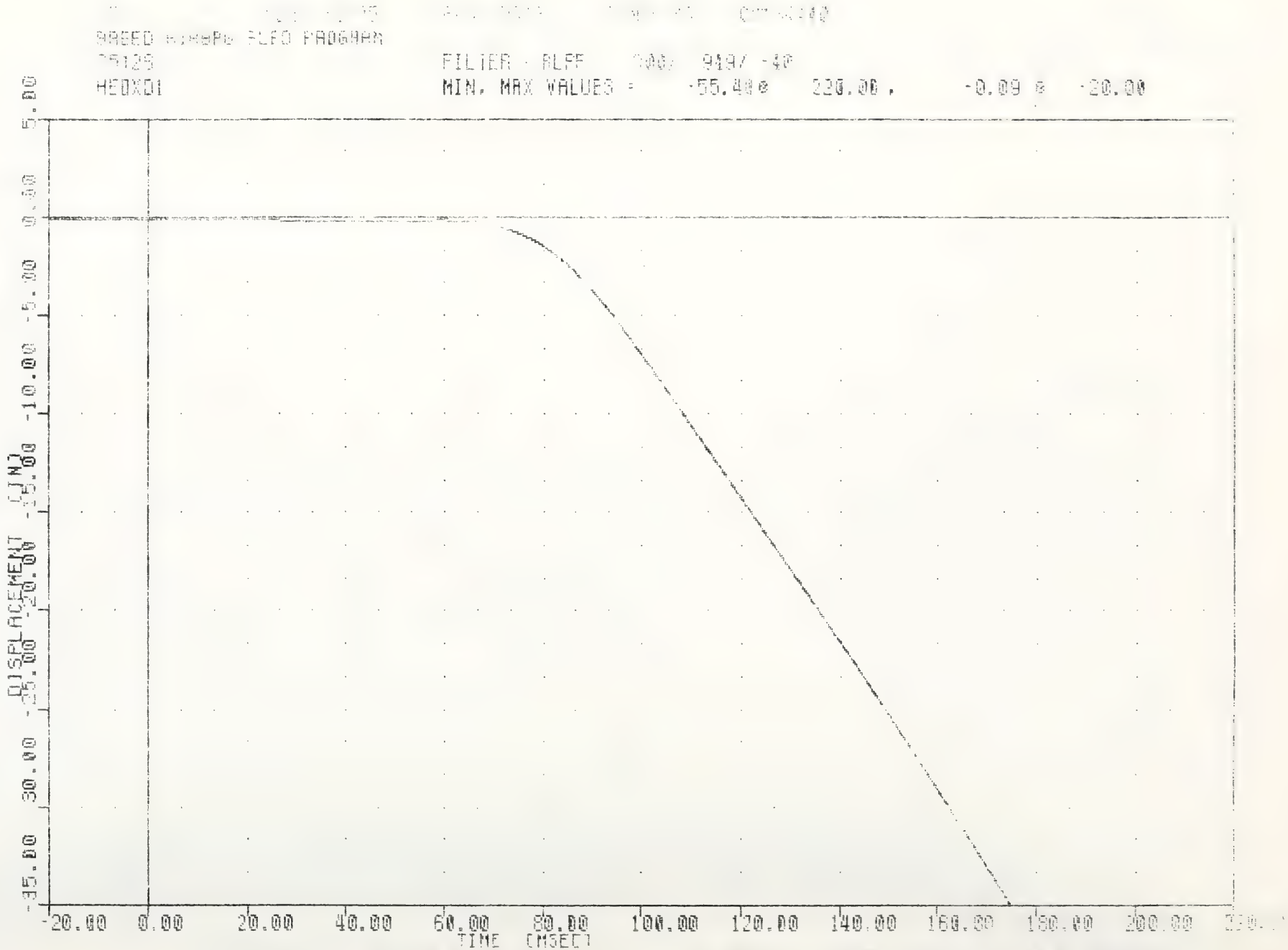


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

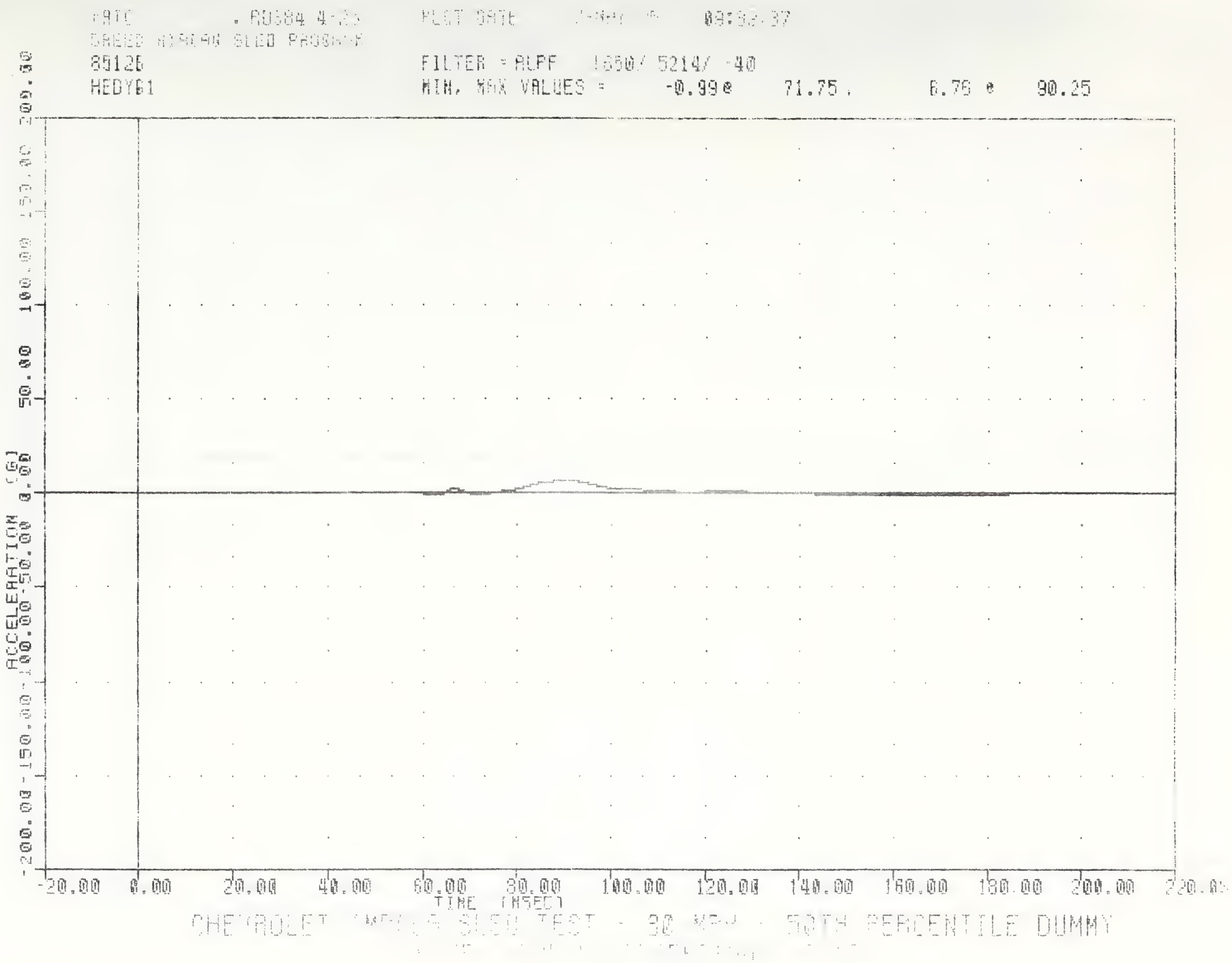
UPPER HEAD DECELERATION , SAE .



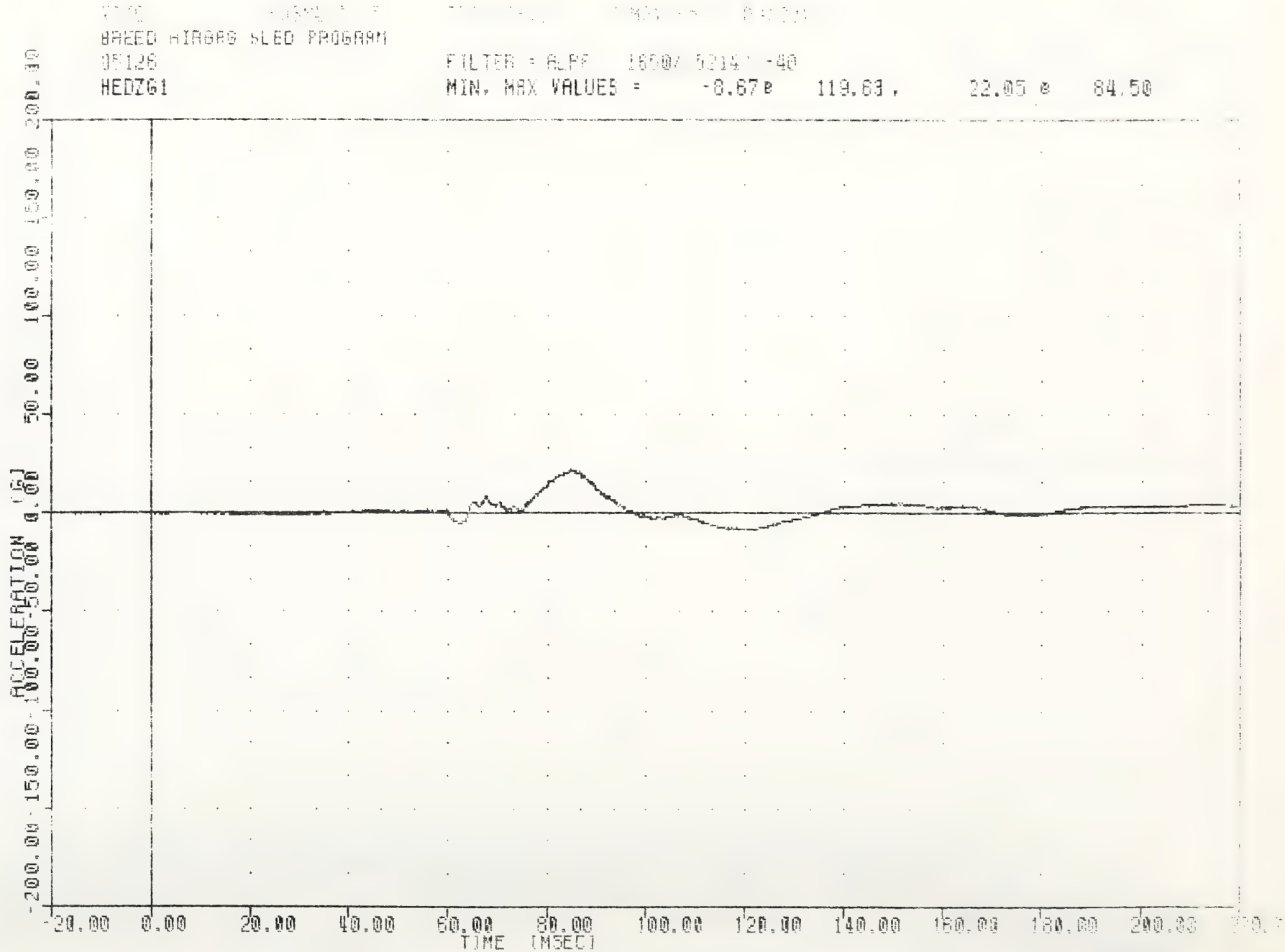
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY



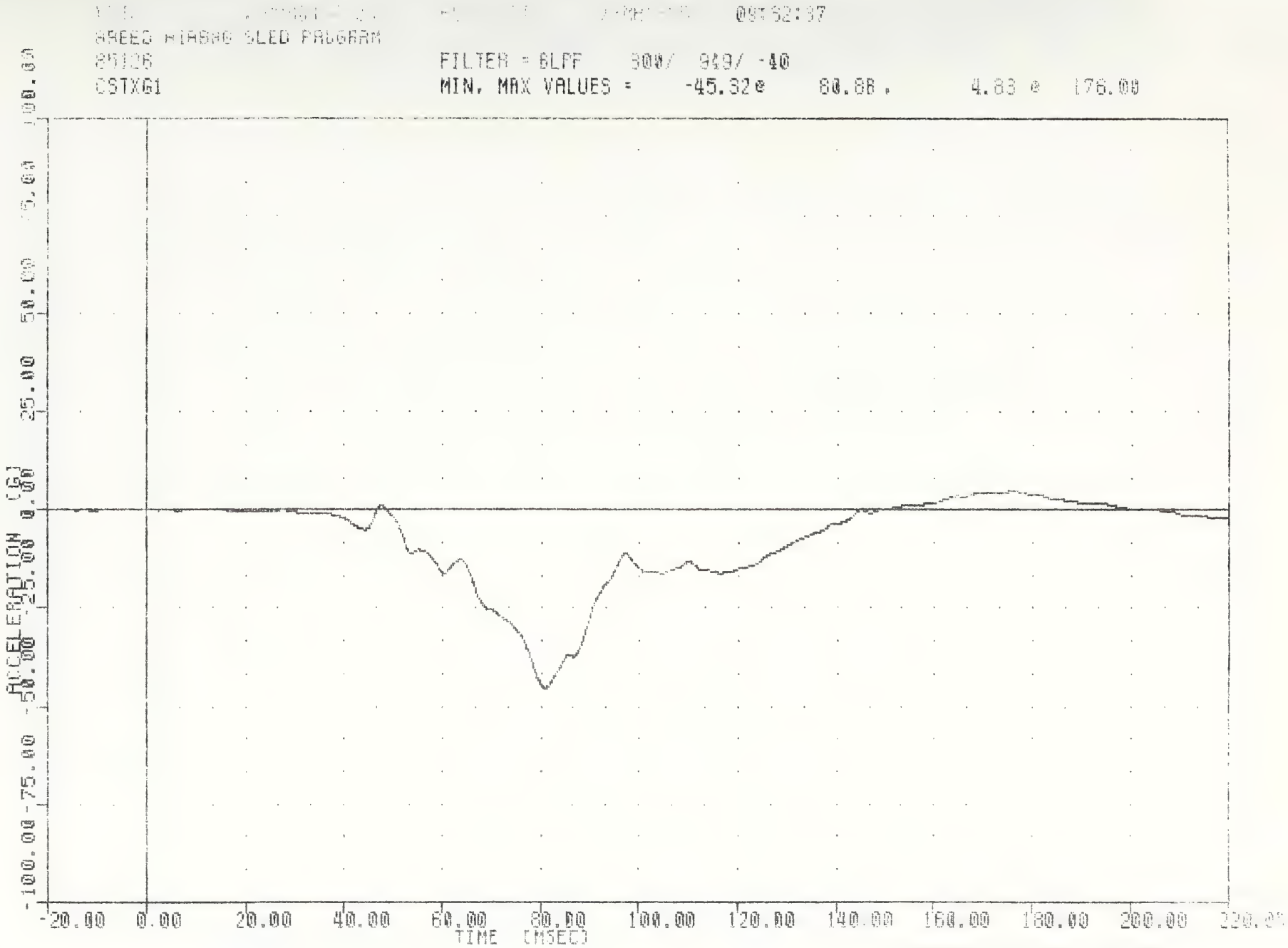
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



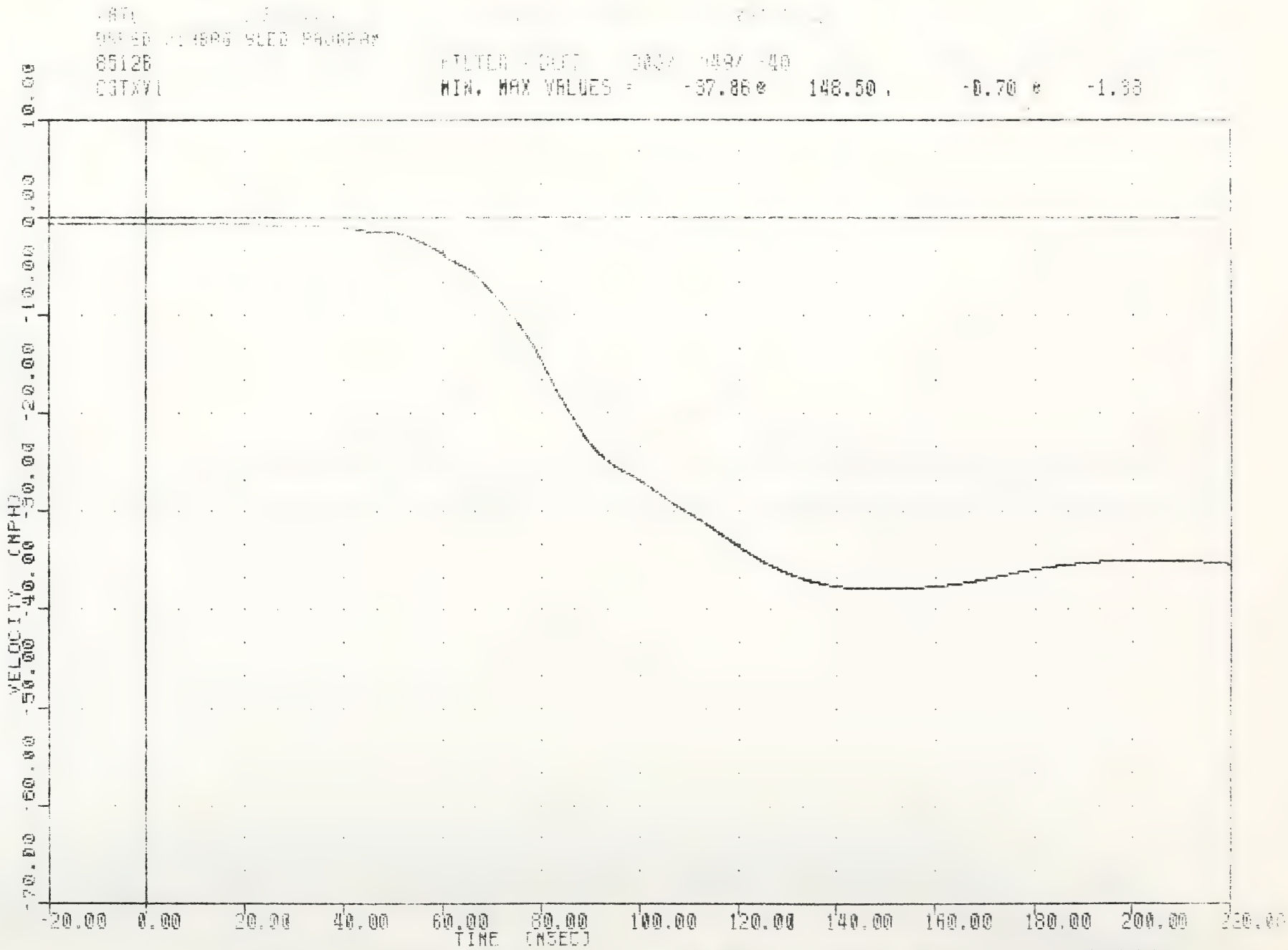
CHEVROLET WAGON SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



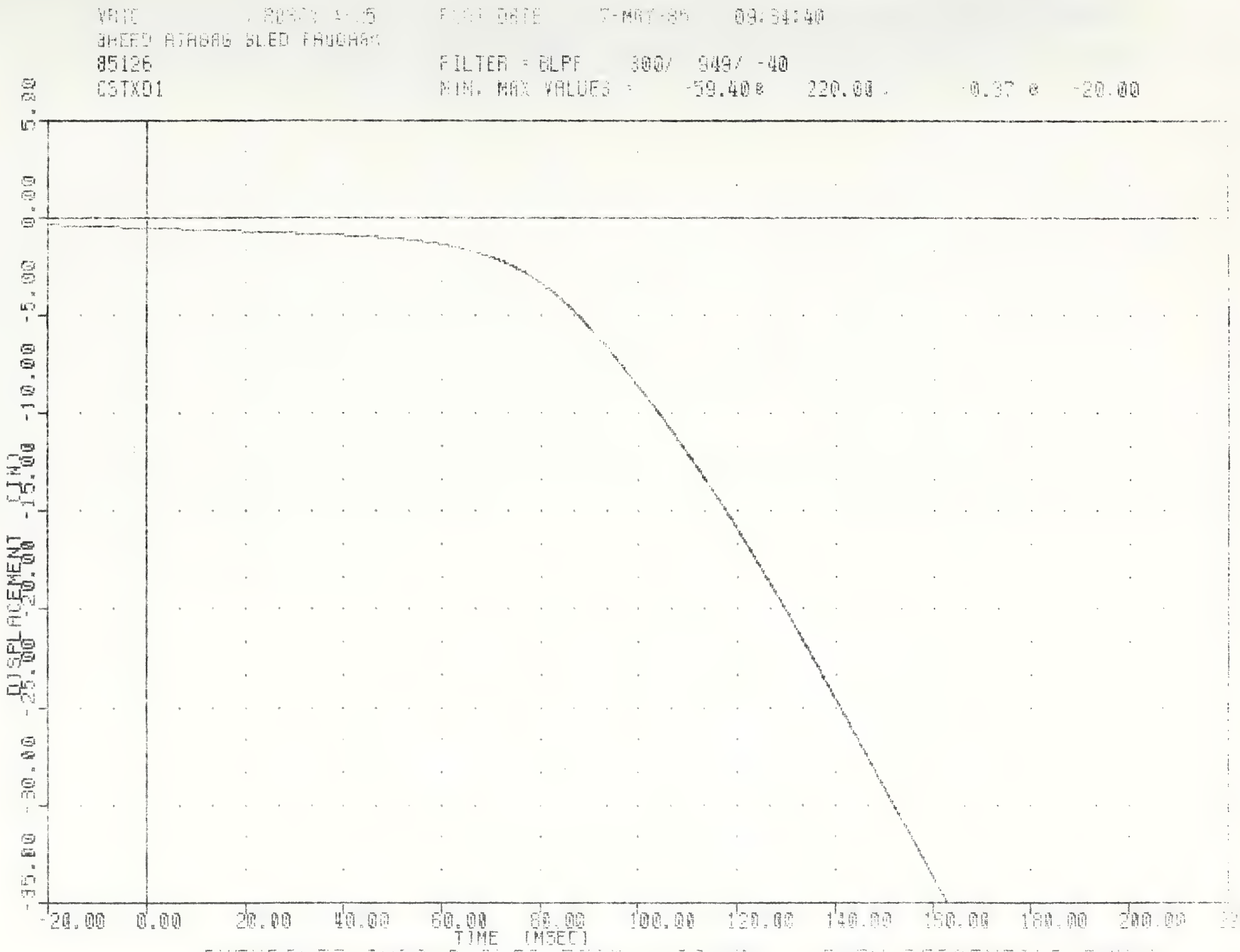
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z A



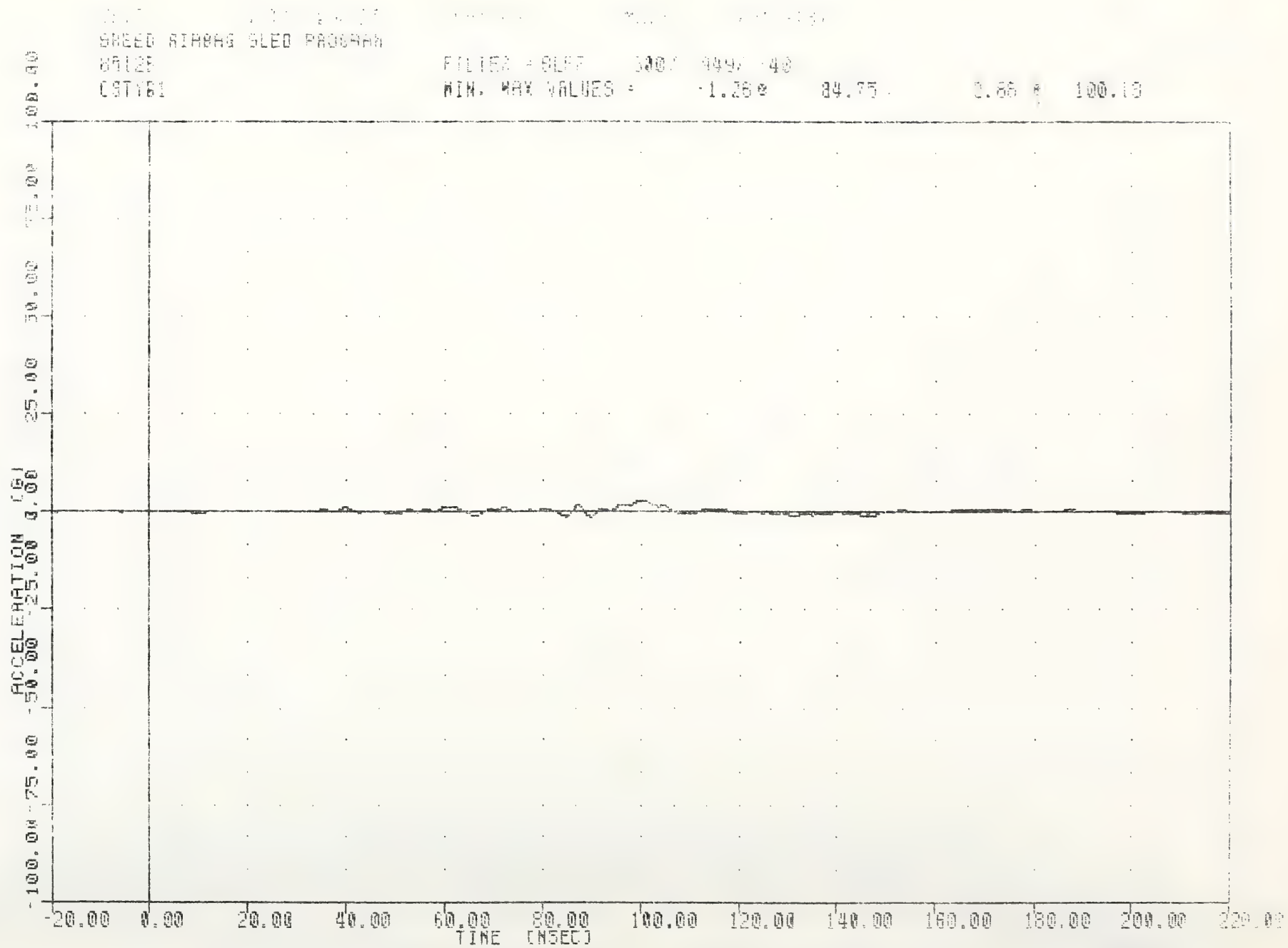
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS



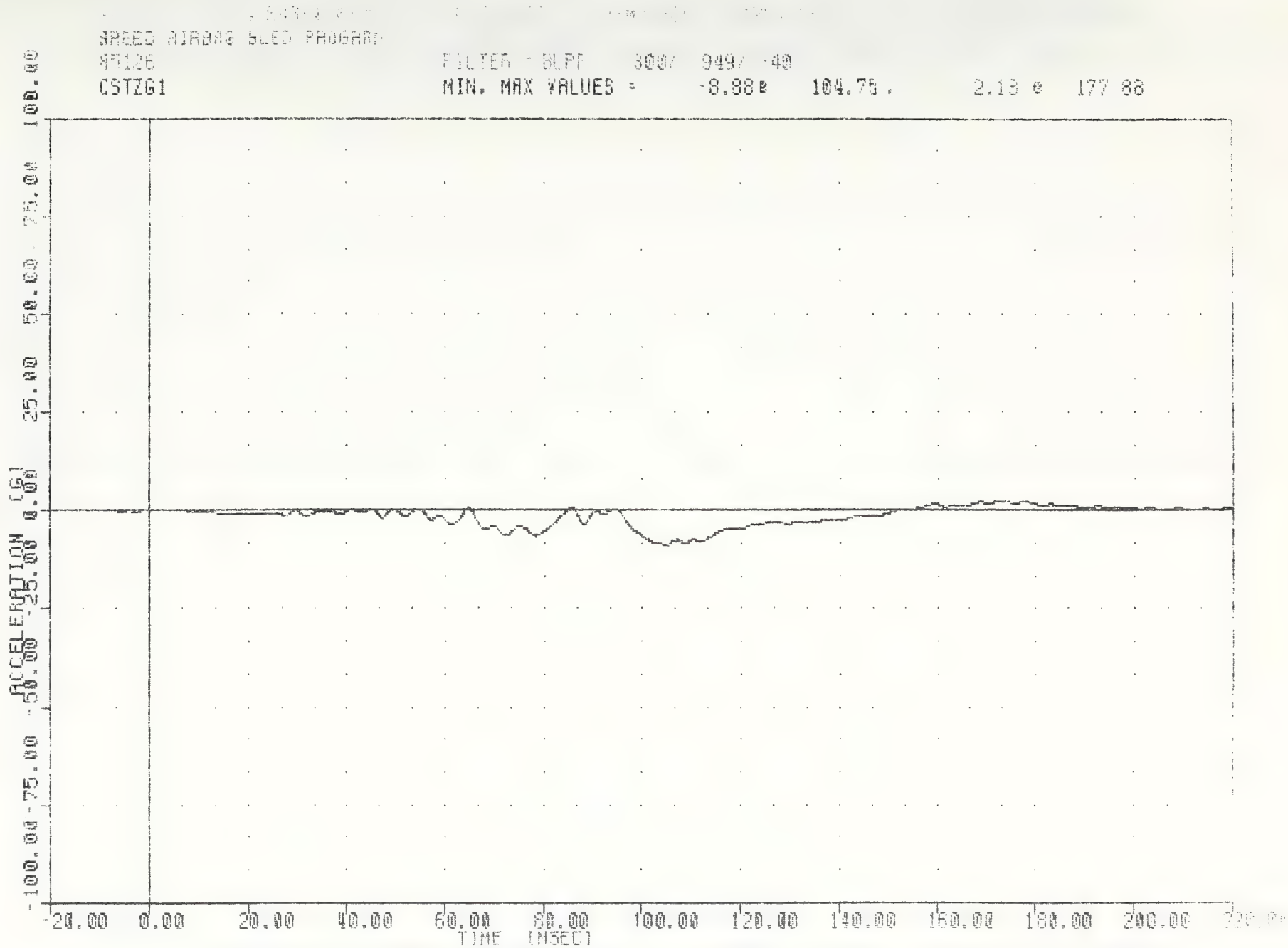
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



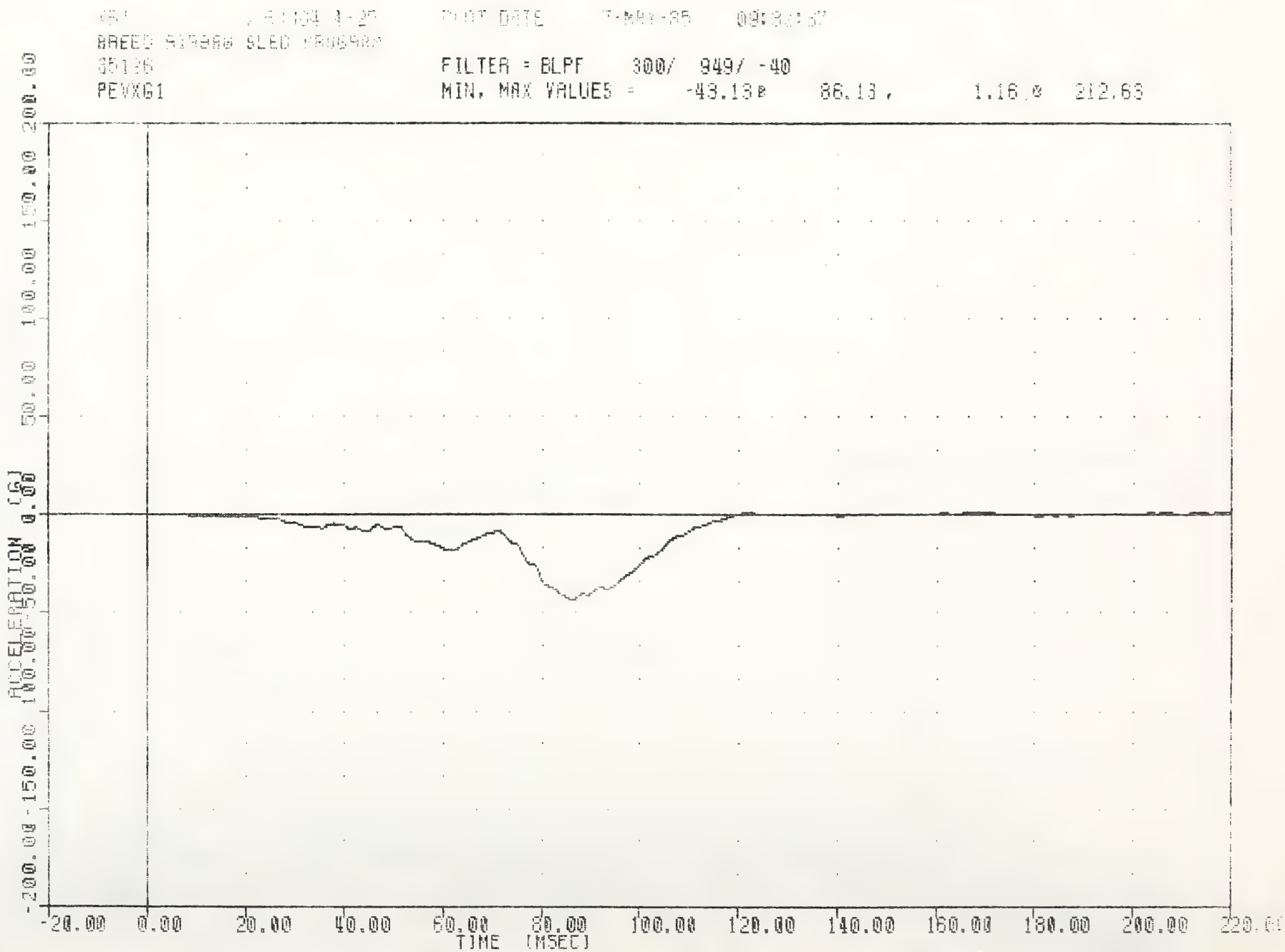
CHEVROLET TRUCK SLED TEST 50 MPH - 50TH PERCENTILE DUMMY



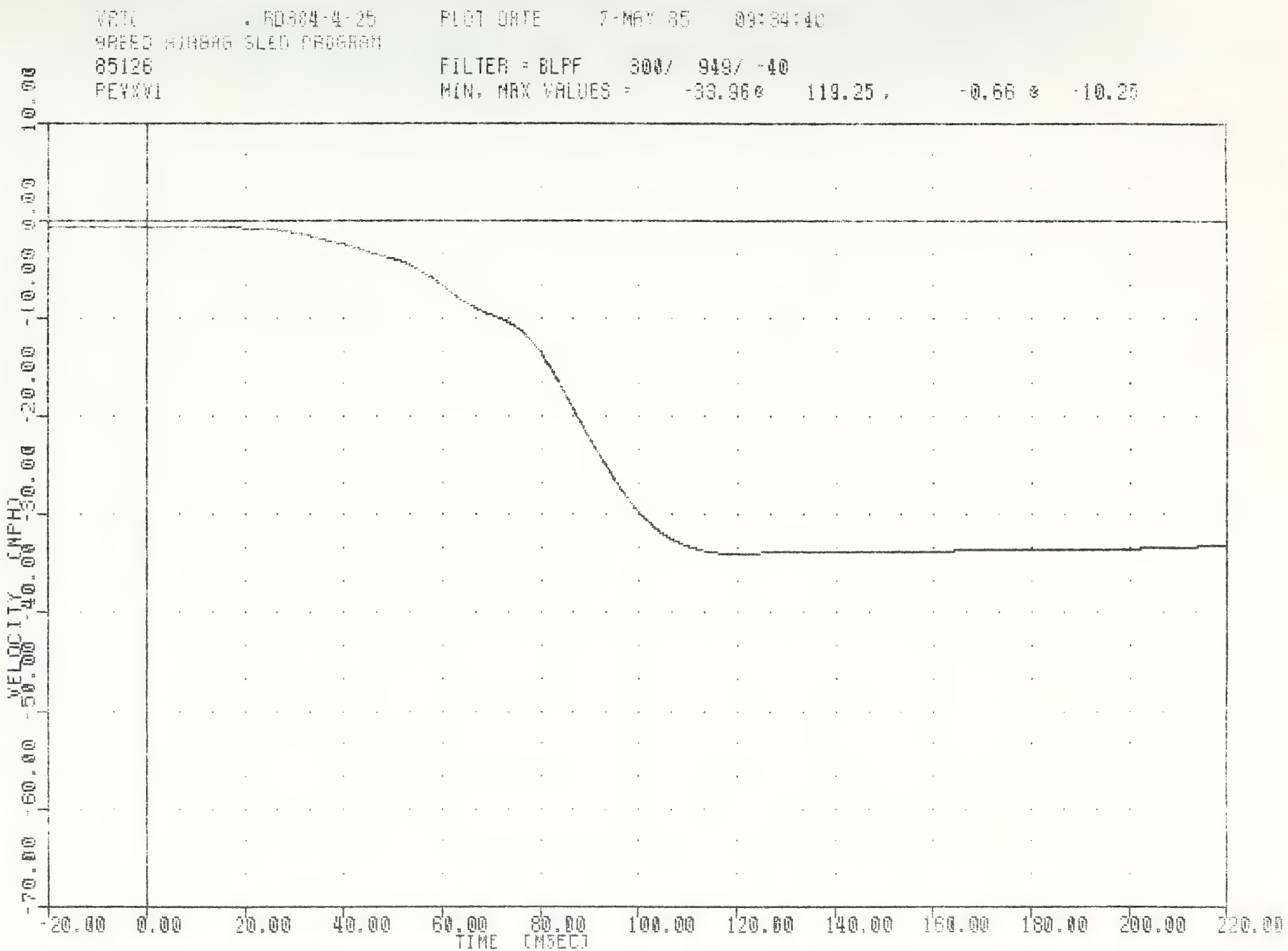
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION - AXIS



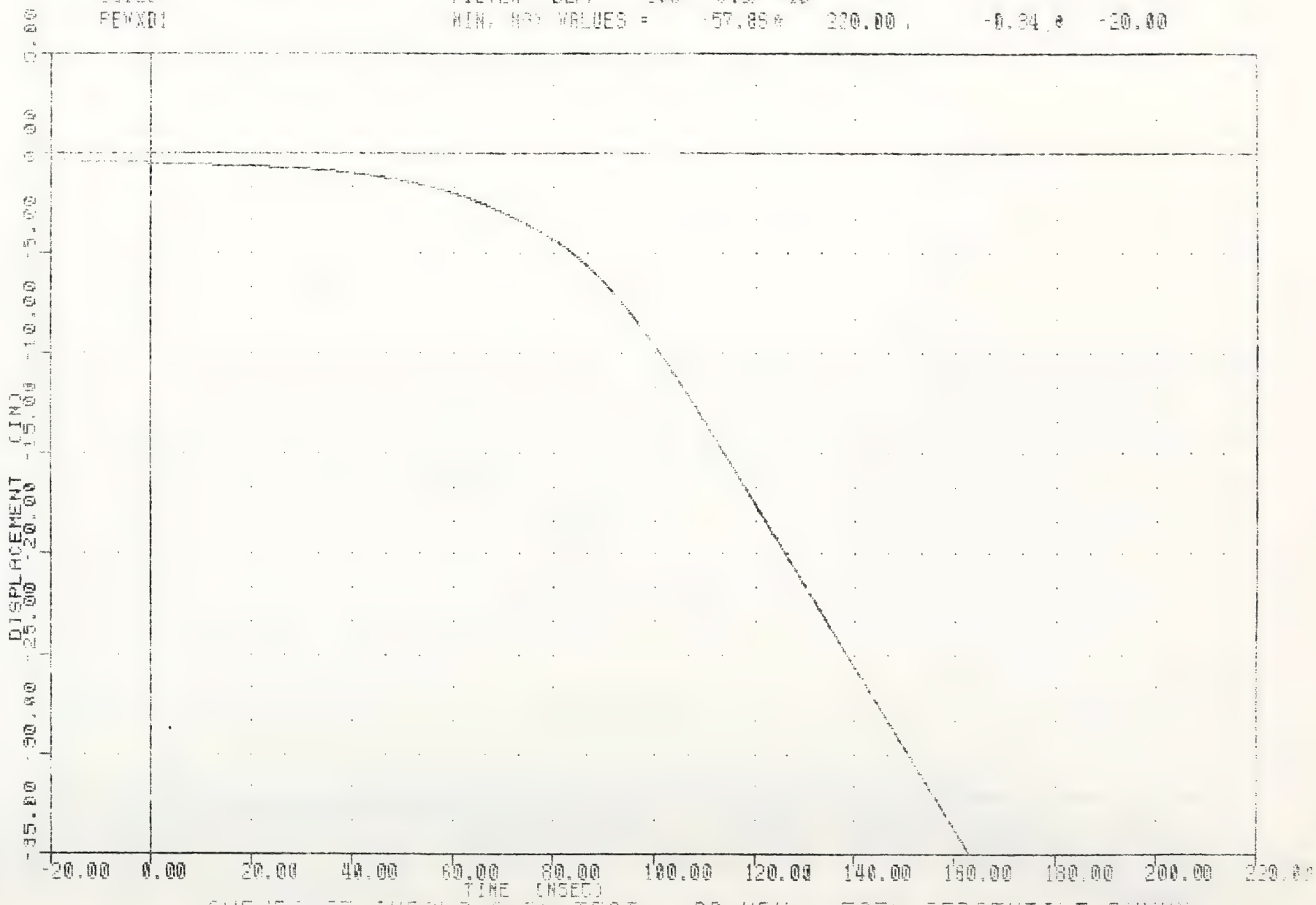
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
CENTER CHEST ACCELERATION [Max]



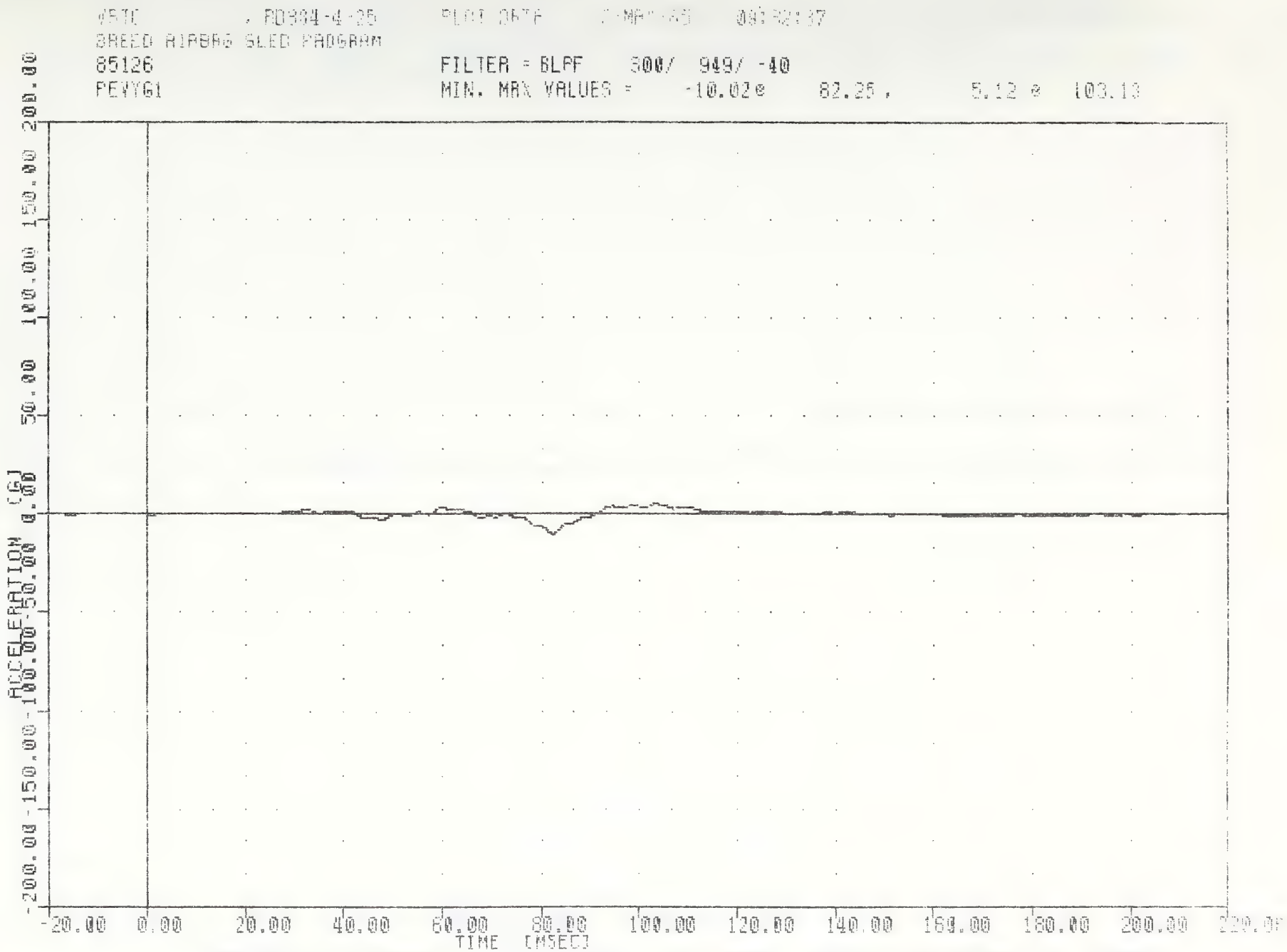
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIC ACCELERATION X-AXIS

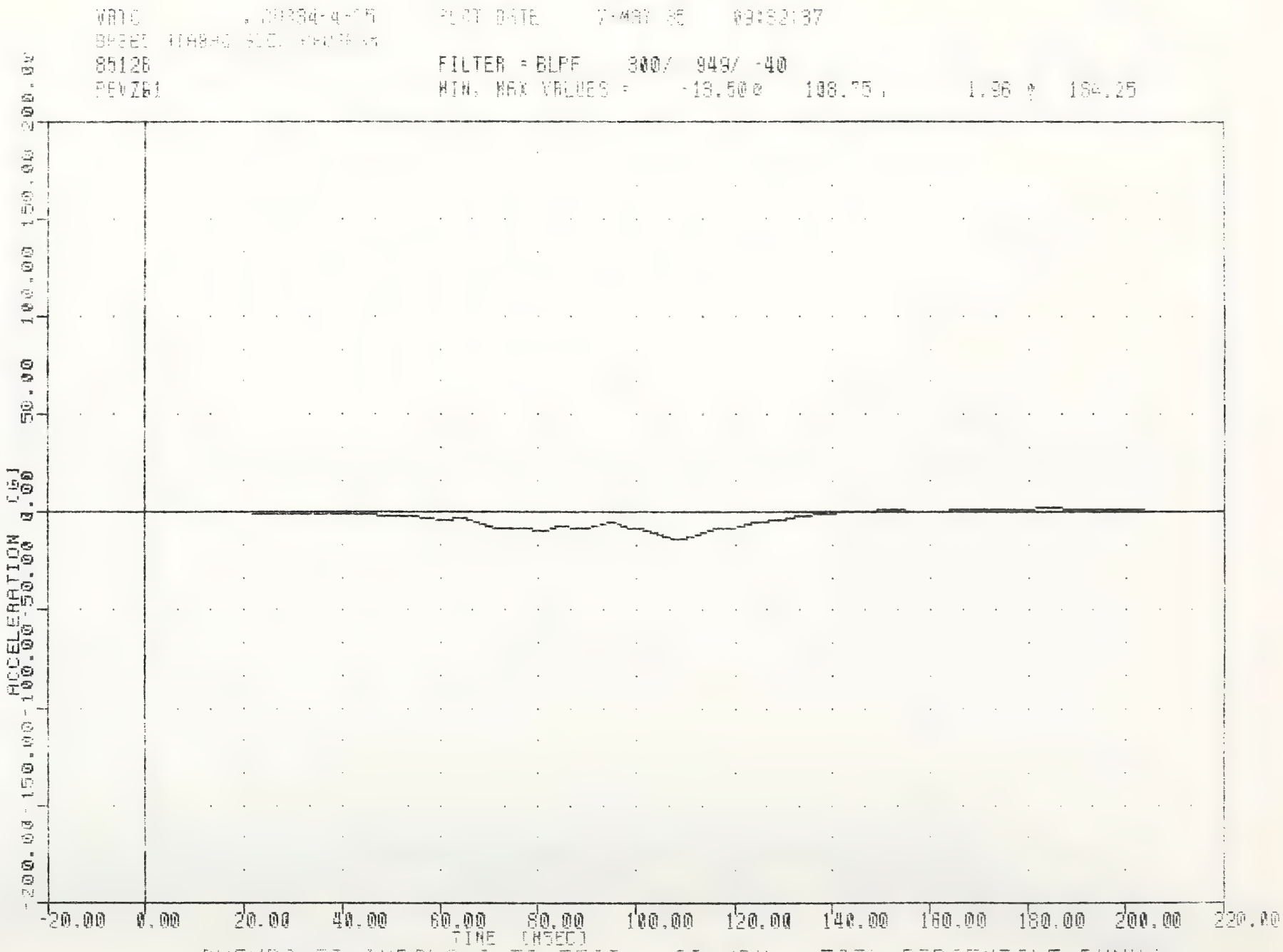


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEYXVI

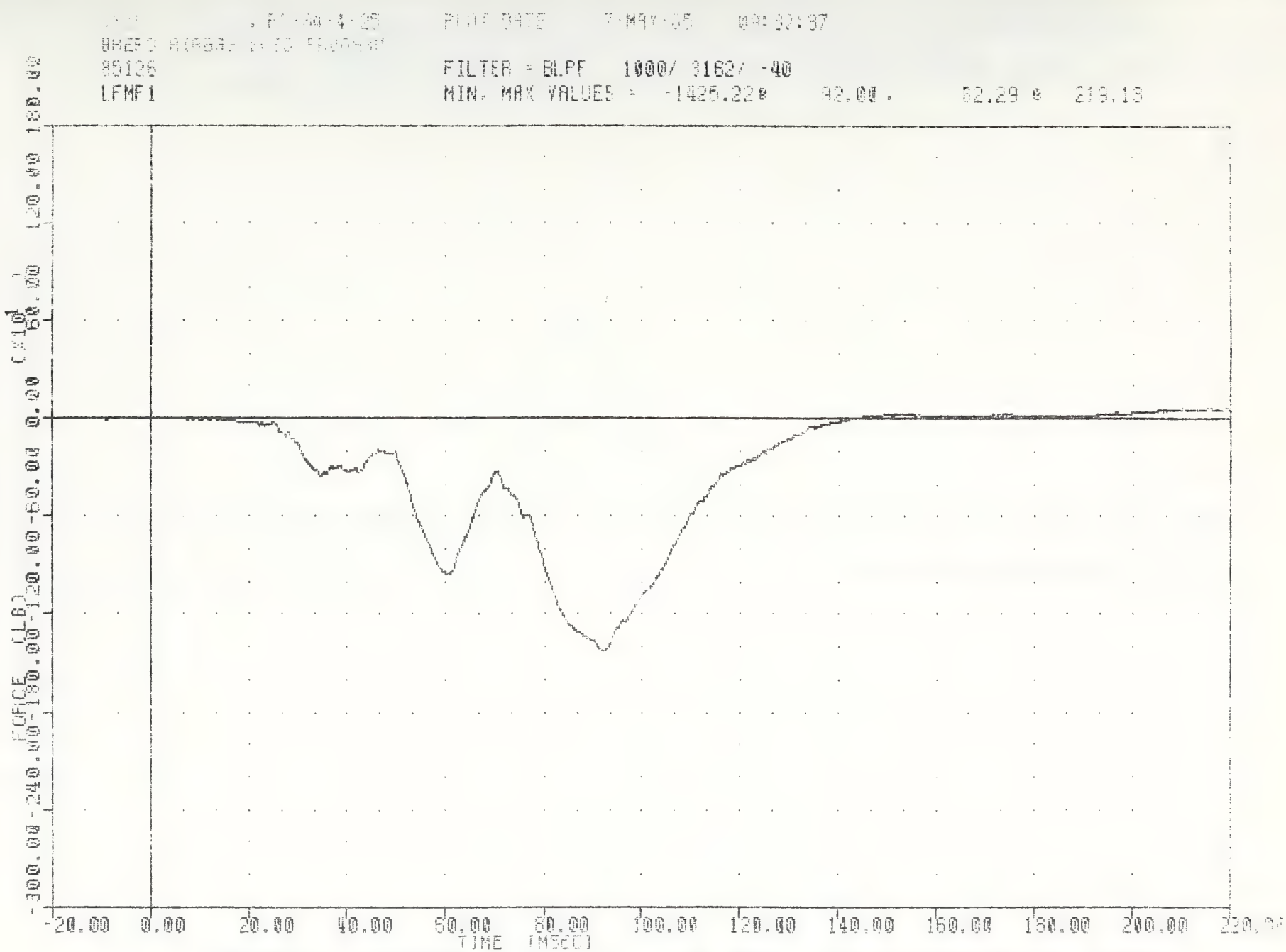


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

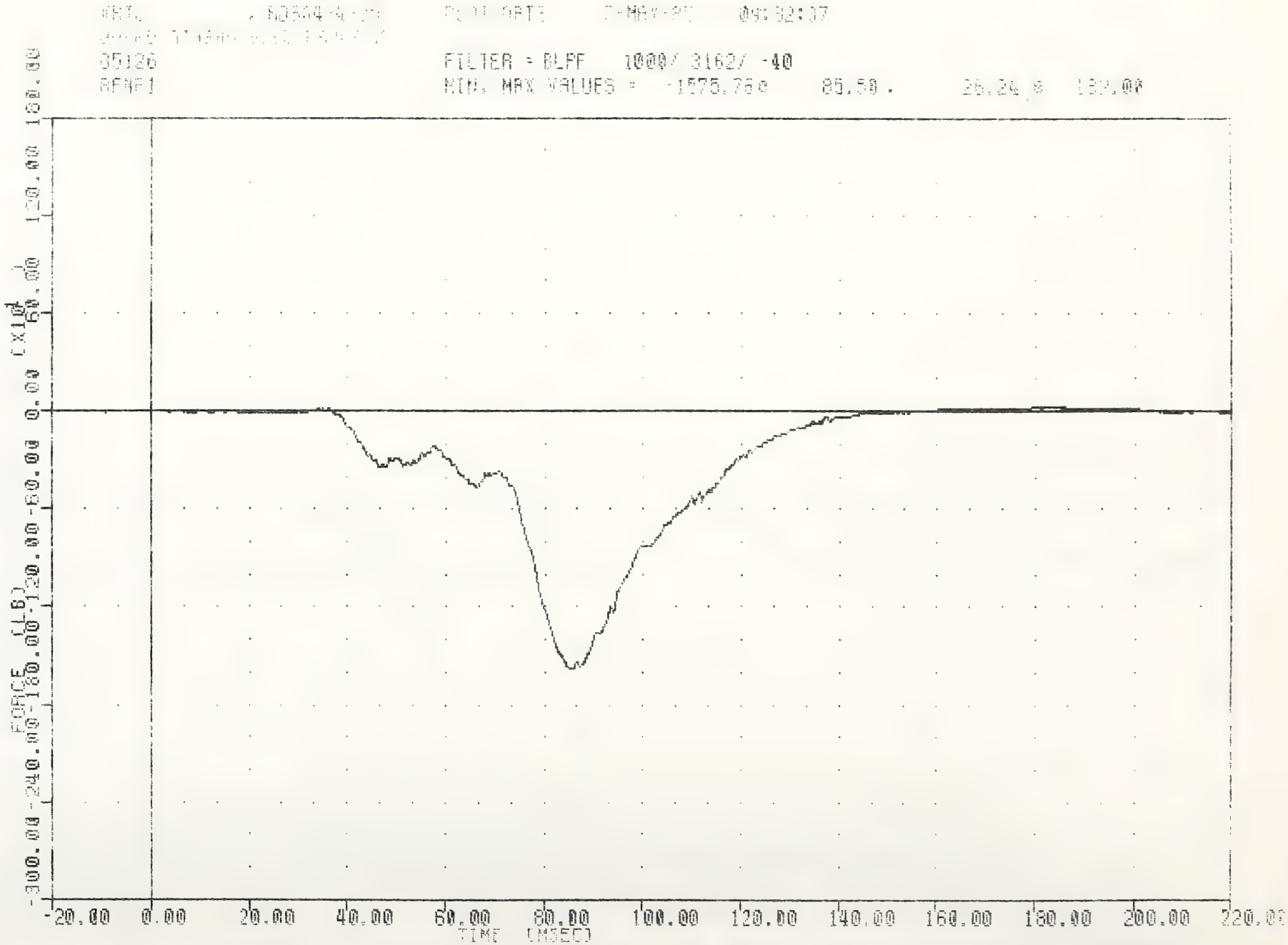

BREED AIRBAG SLED PROGRAM
85126
FILTER = BLPF 500/ 949/ -40
MIN. MAX VALUES = -10.02@ 82.25 , 5.12 @ 103.13
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME [MSEC]

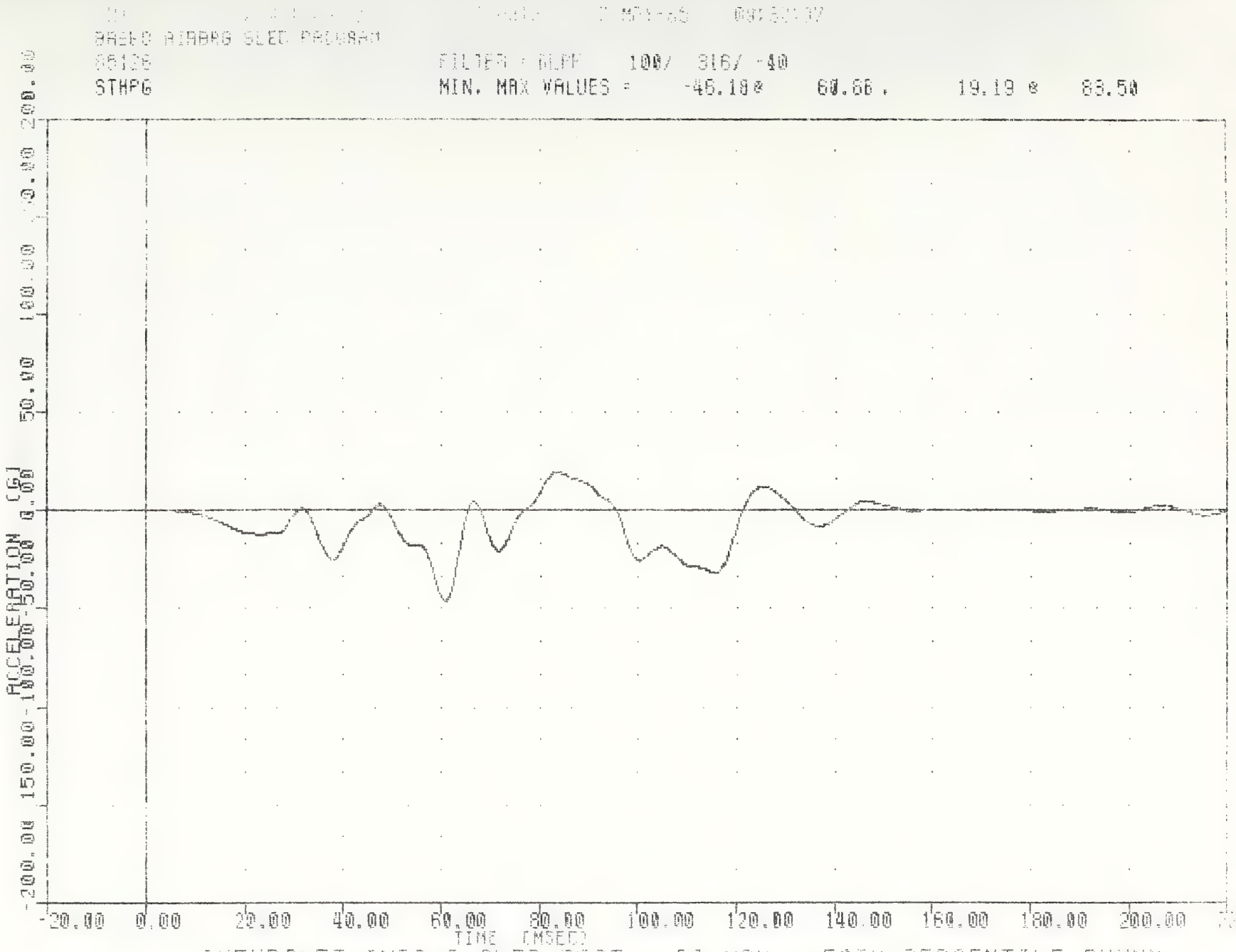


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

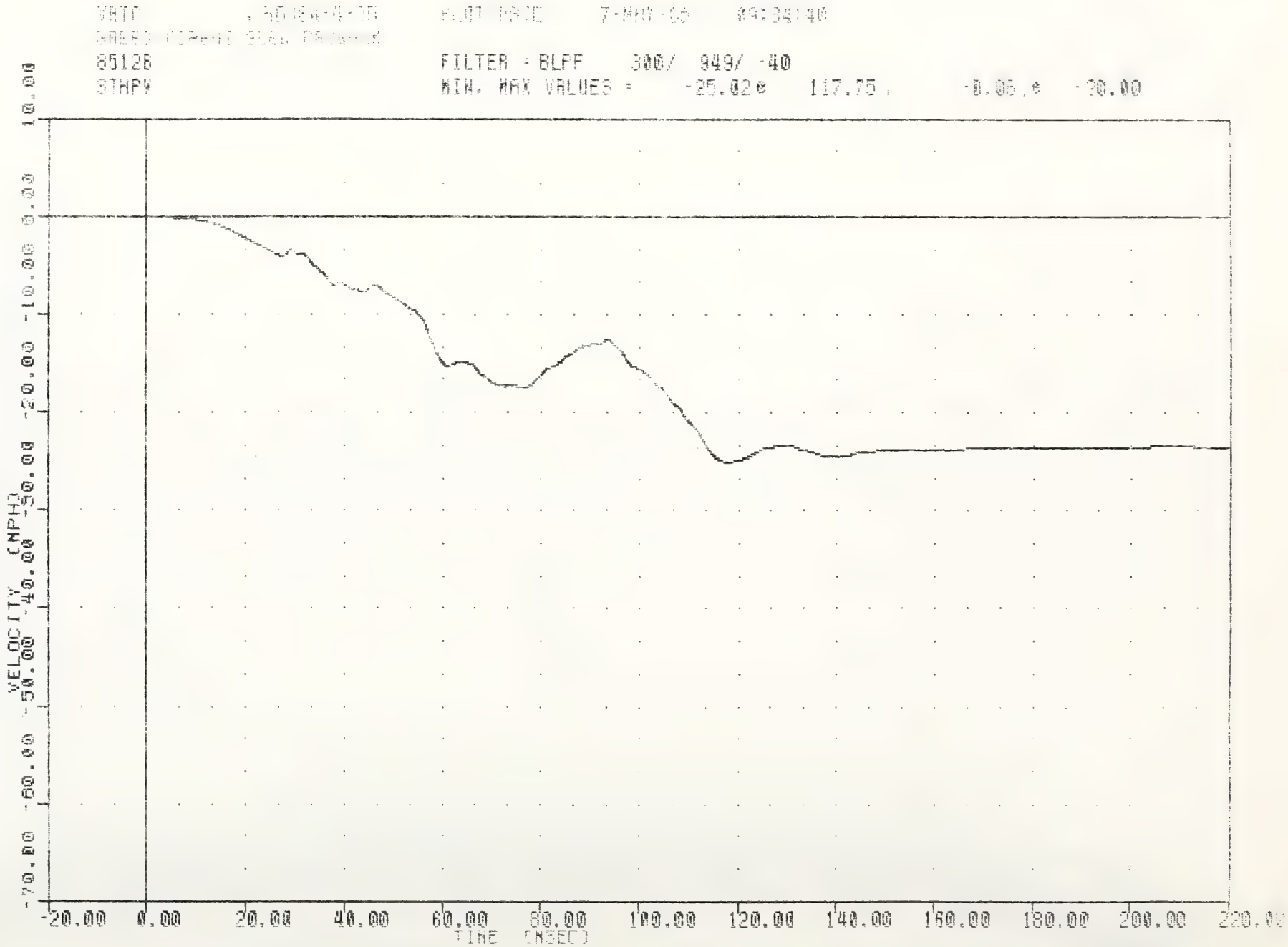


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR F-T

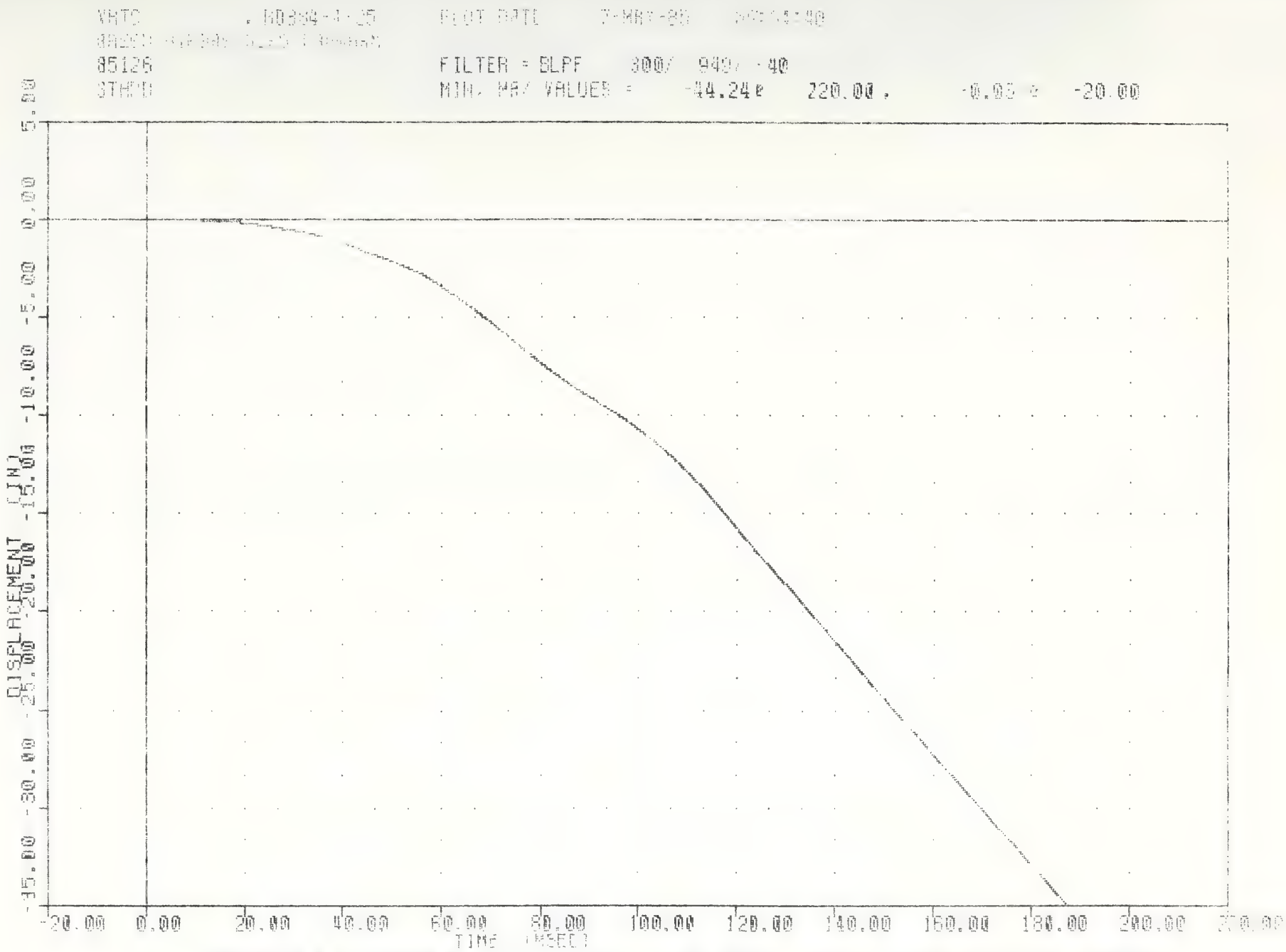

35126
RFMF1
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -1575.760 85.50 . 26.24 0 180.00
FORCE (LB)
[X10]
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST 30 MPH
FEMUR FORCE

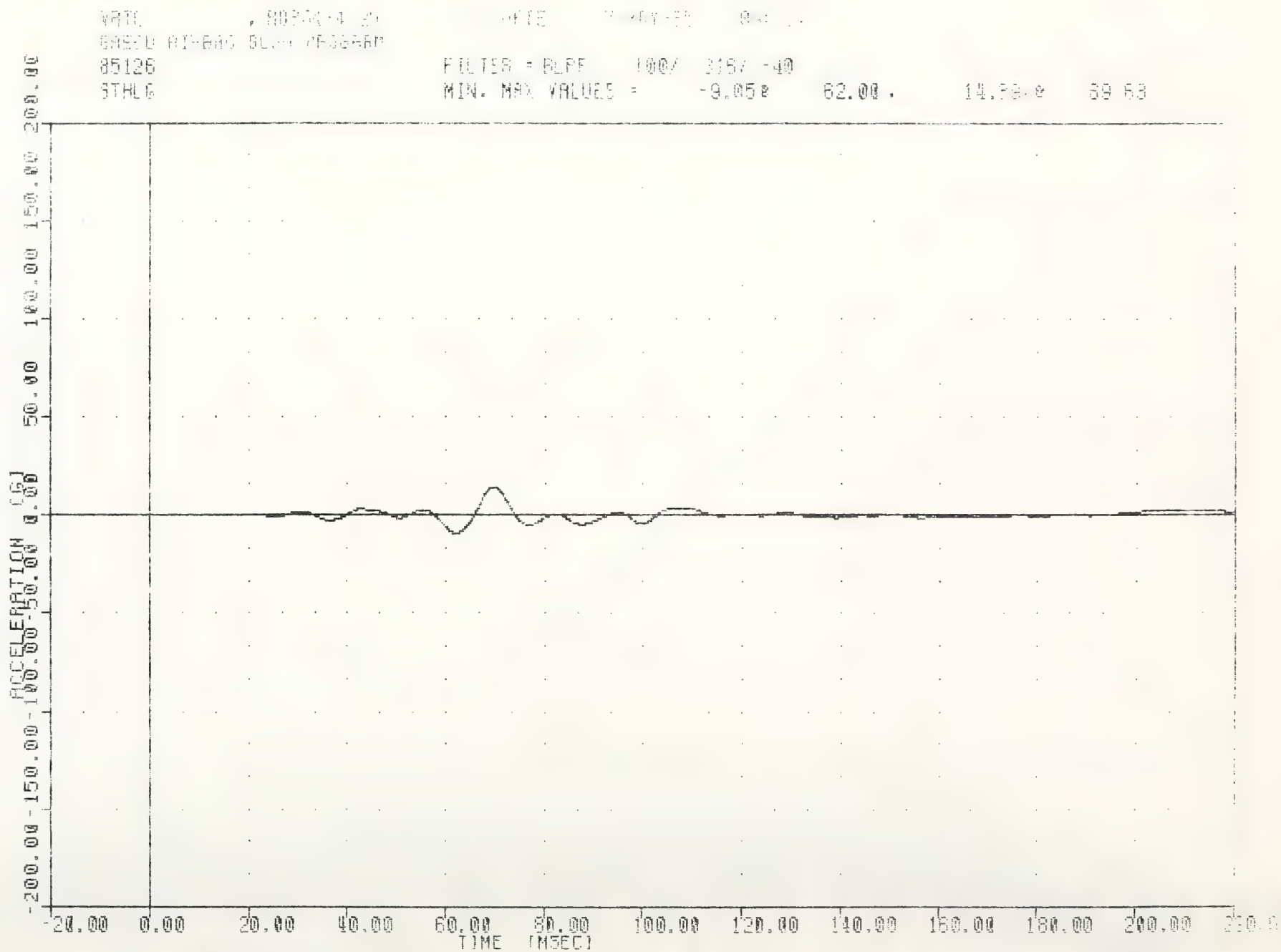


CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY


YRTC
85126
FILTER = BLPF 300/ 940/ -40
MIN. MAX VALUES = -44.24 220.00 -0.05 -20.00
DISPLACEMENT (IN)
TIME (MSEC)



CHEVROLET IMPALA BLED TEST - 88 MPH

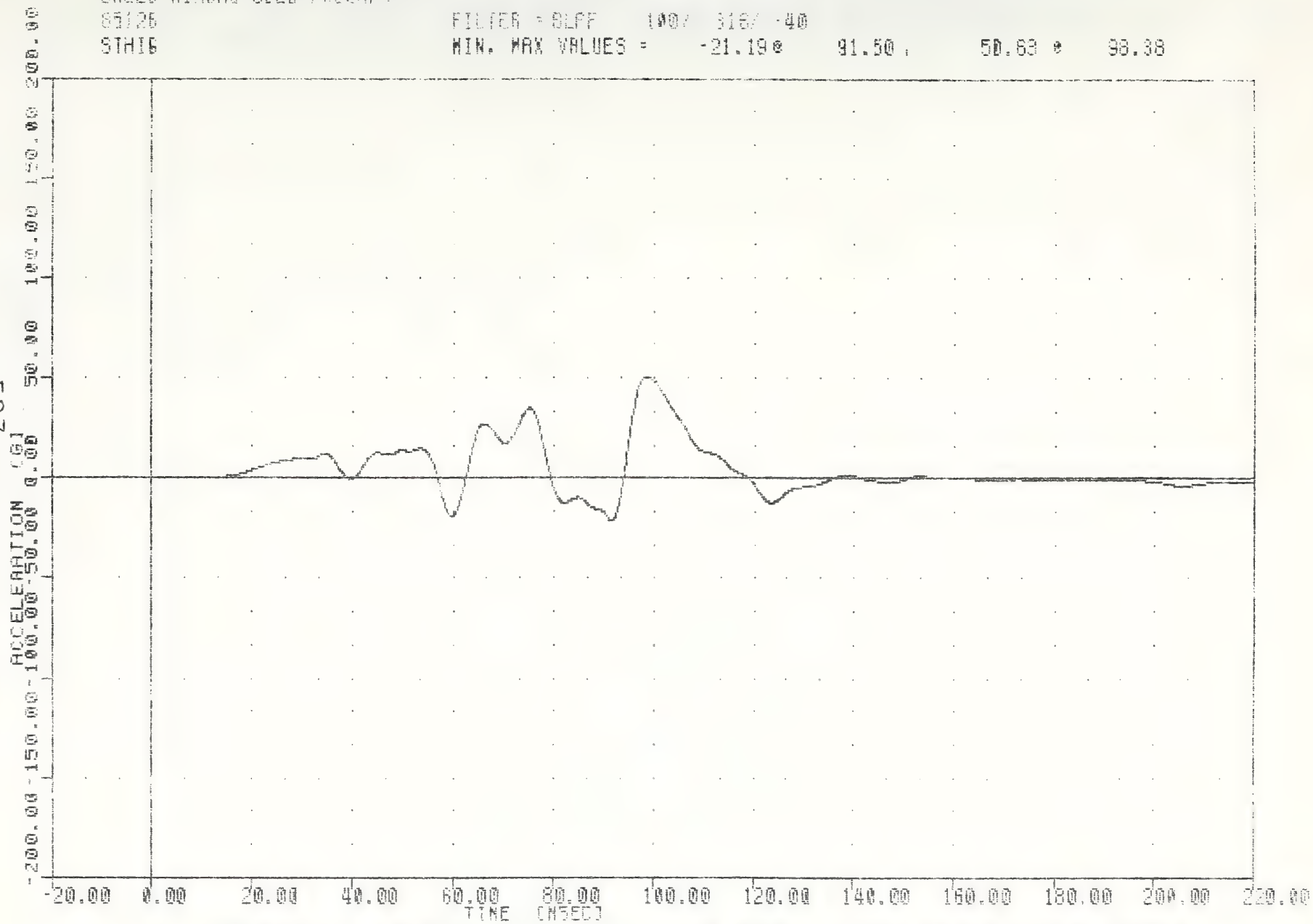
BREED AIRBAG SLED PROGRAM

85126

STHI6

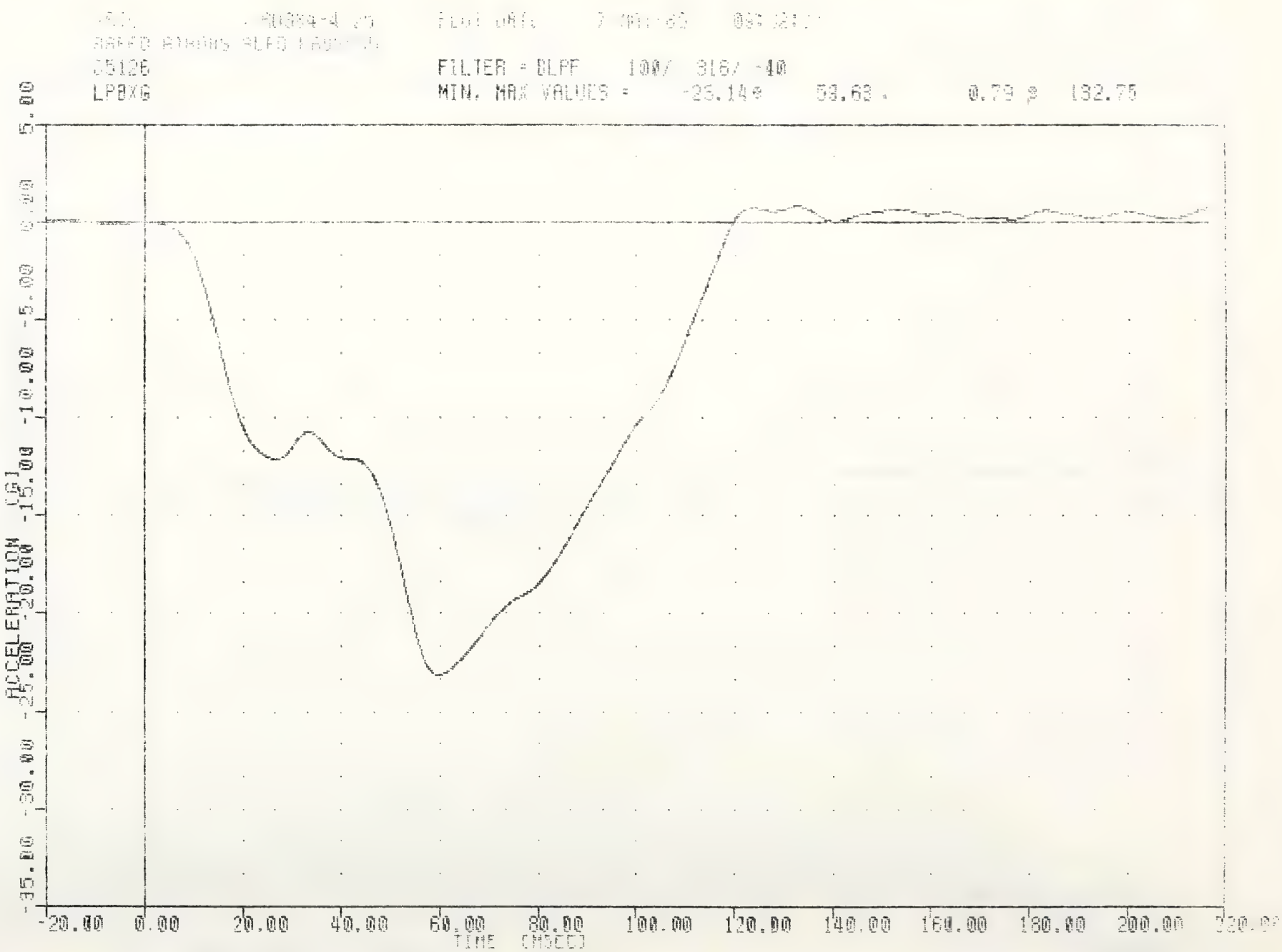
FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -21.19@ 91.50 , 50.63 @ 98.38



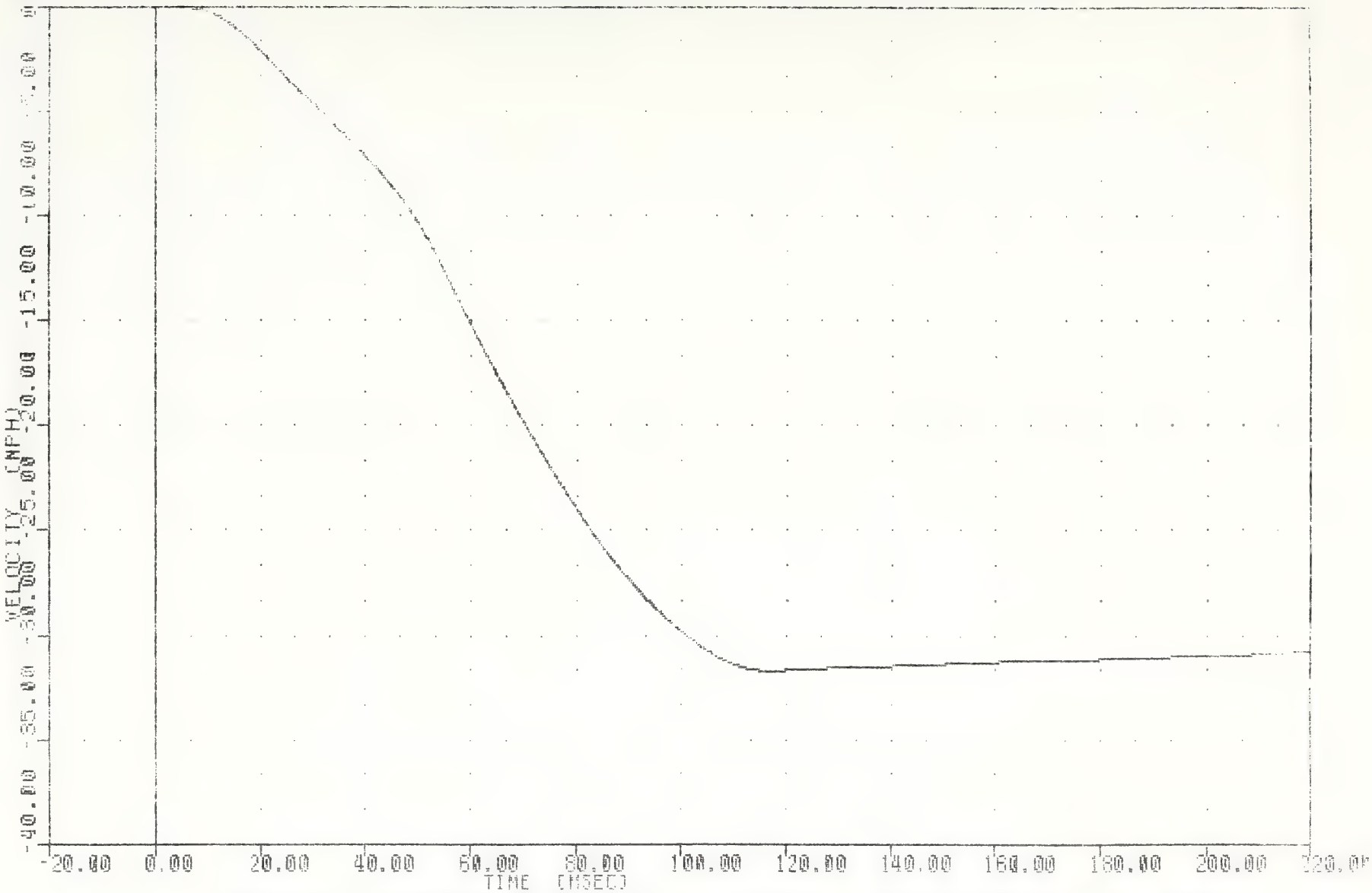
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

HEAD ACCELERATION

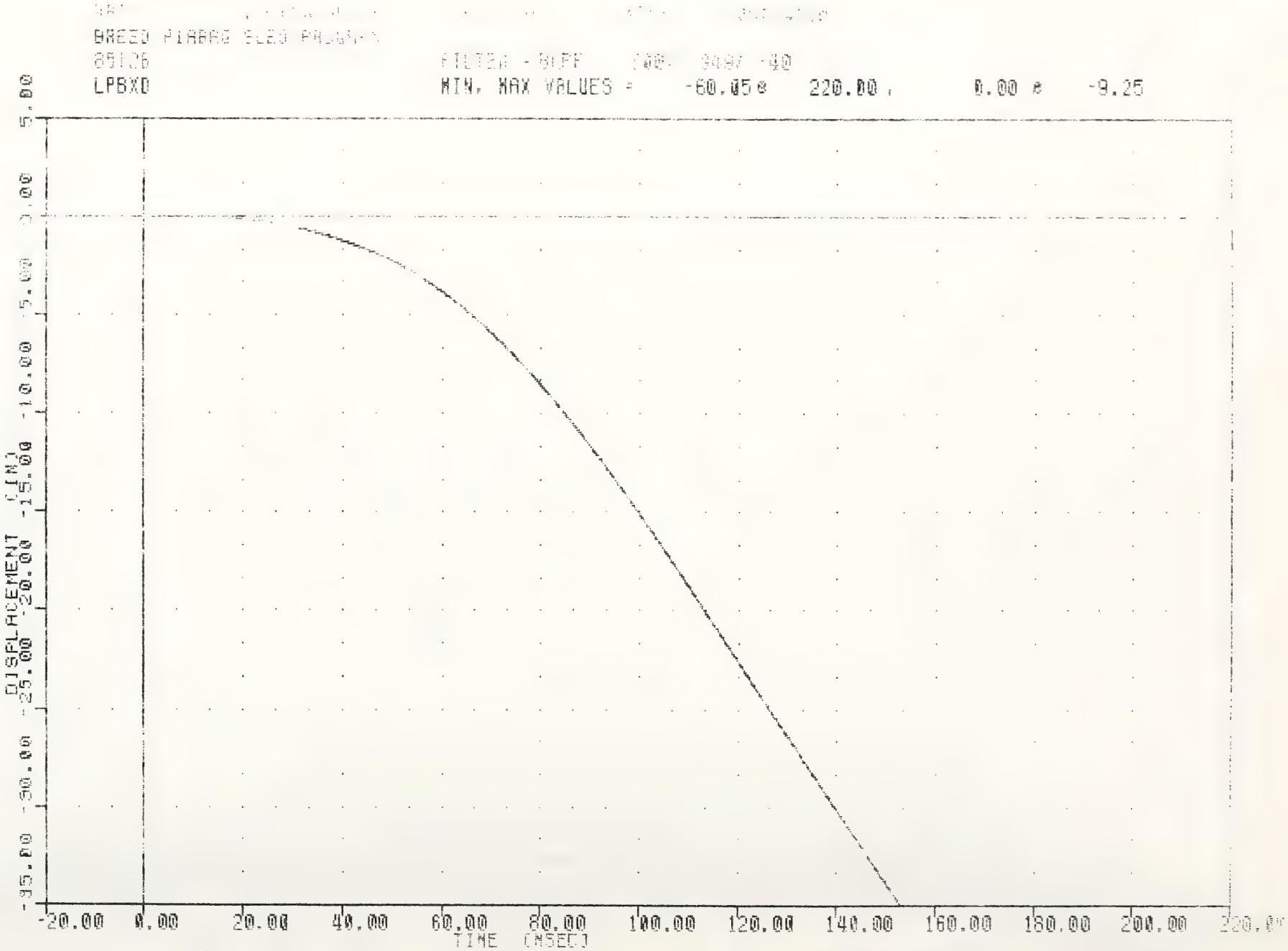


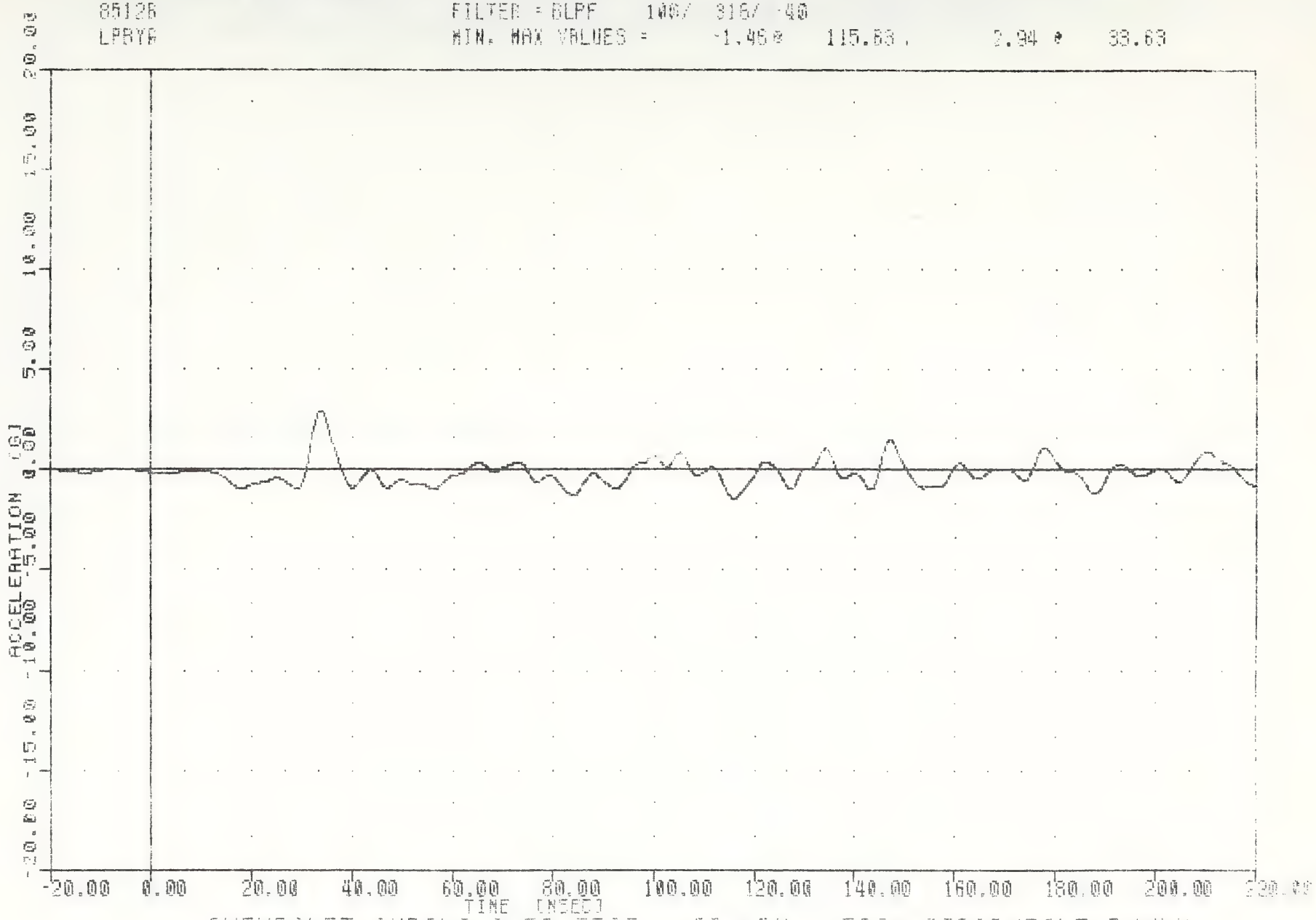
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-25 PLOT DATE [illegible] 04:34:40
BASED WINGRA SLED PROGRAM
85126 FILTER = BLPF 300/ 949/ -40
LPBXV MIN. MAX VALUES = -31.72@ 116.75 , 0.01 @ -15.50

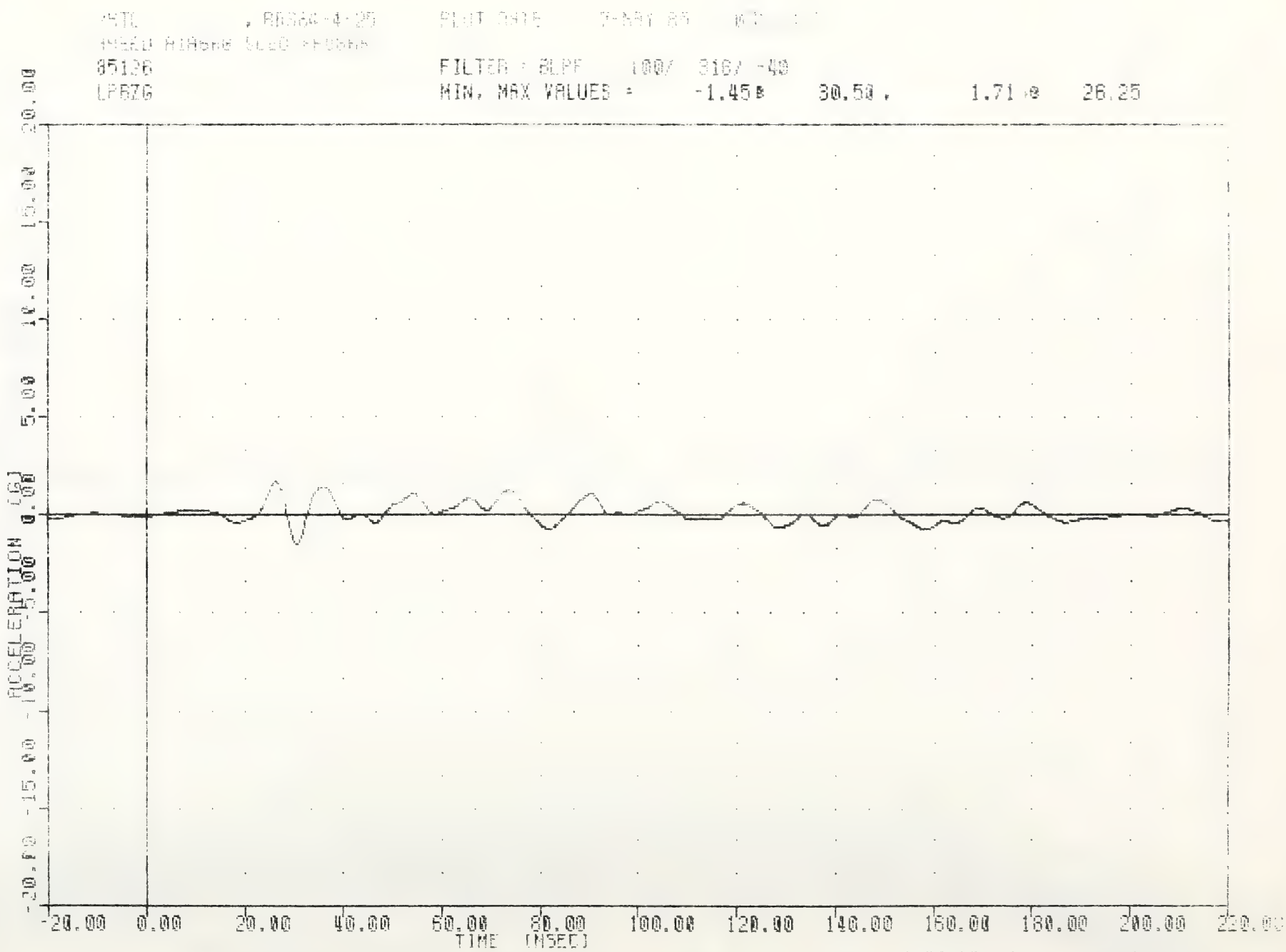


CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
[illegible]

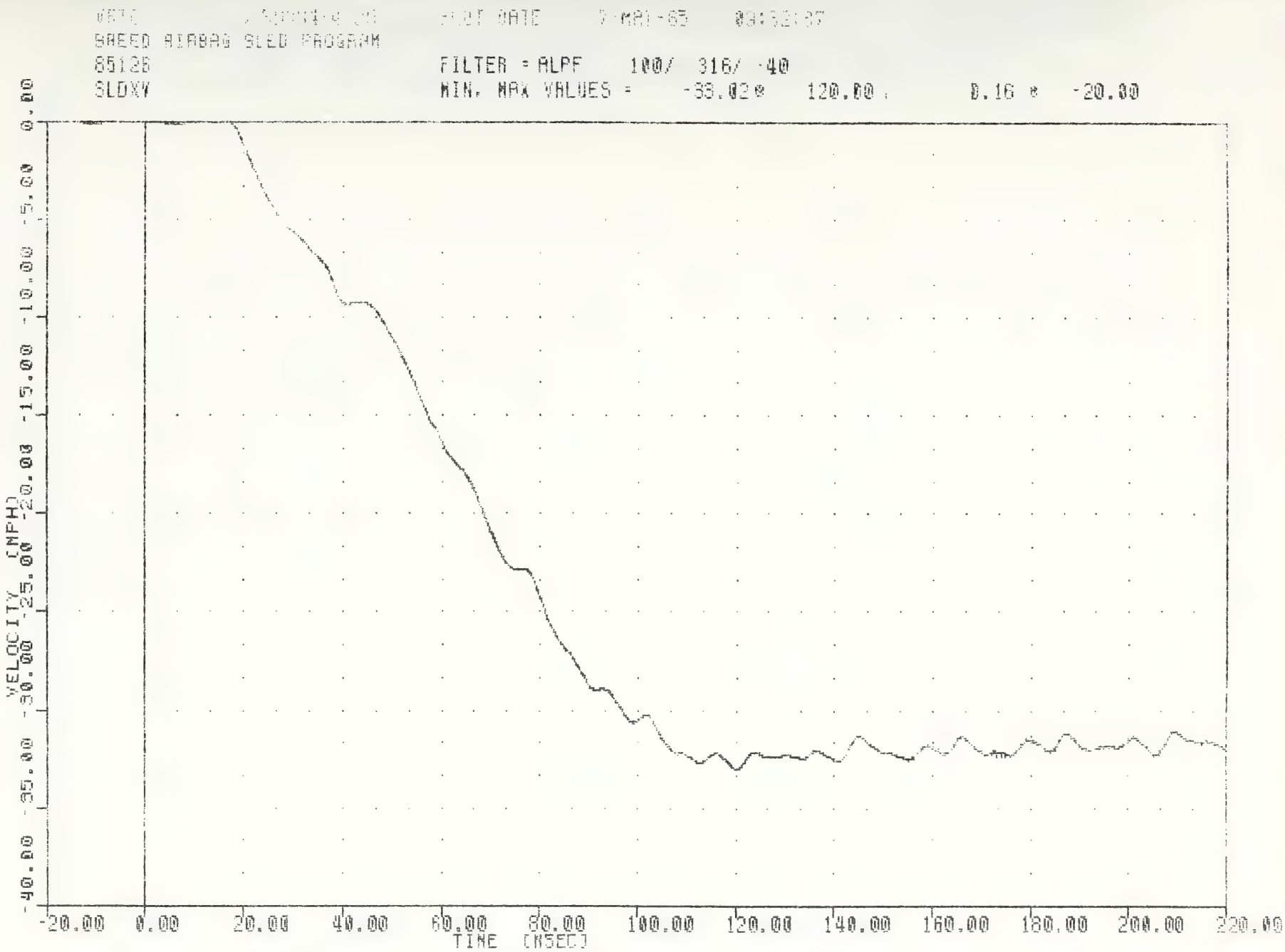

BREED FIABAG SLED PROGRAM
85106
LPBXD
FILTER - BUFF
MIN, MAX VALUES = -60.05@ 220.00 , 0.00 @ -9.25
DISPLACEMENT (IN)
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

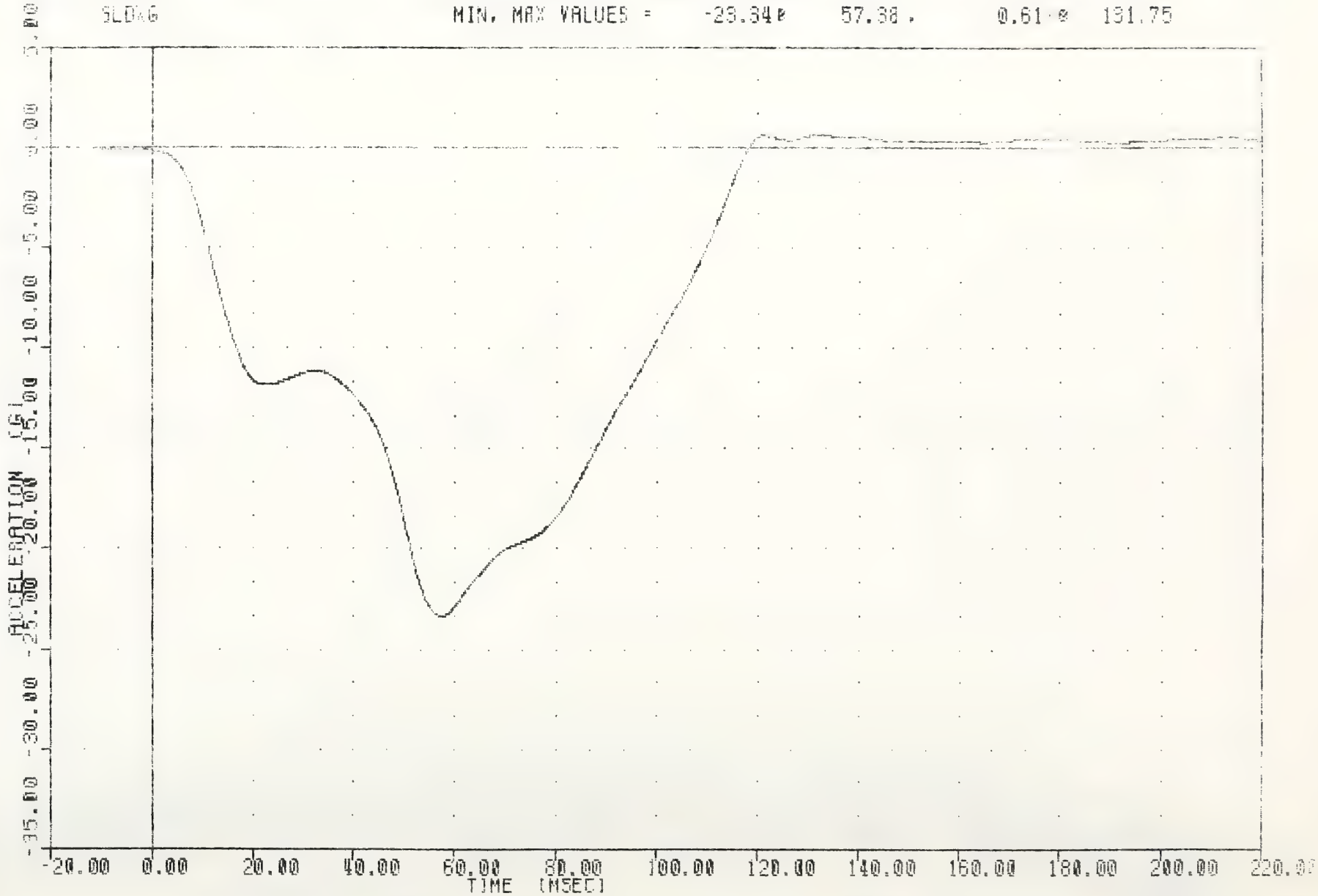


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

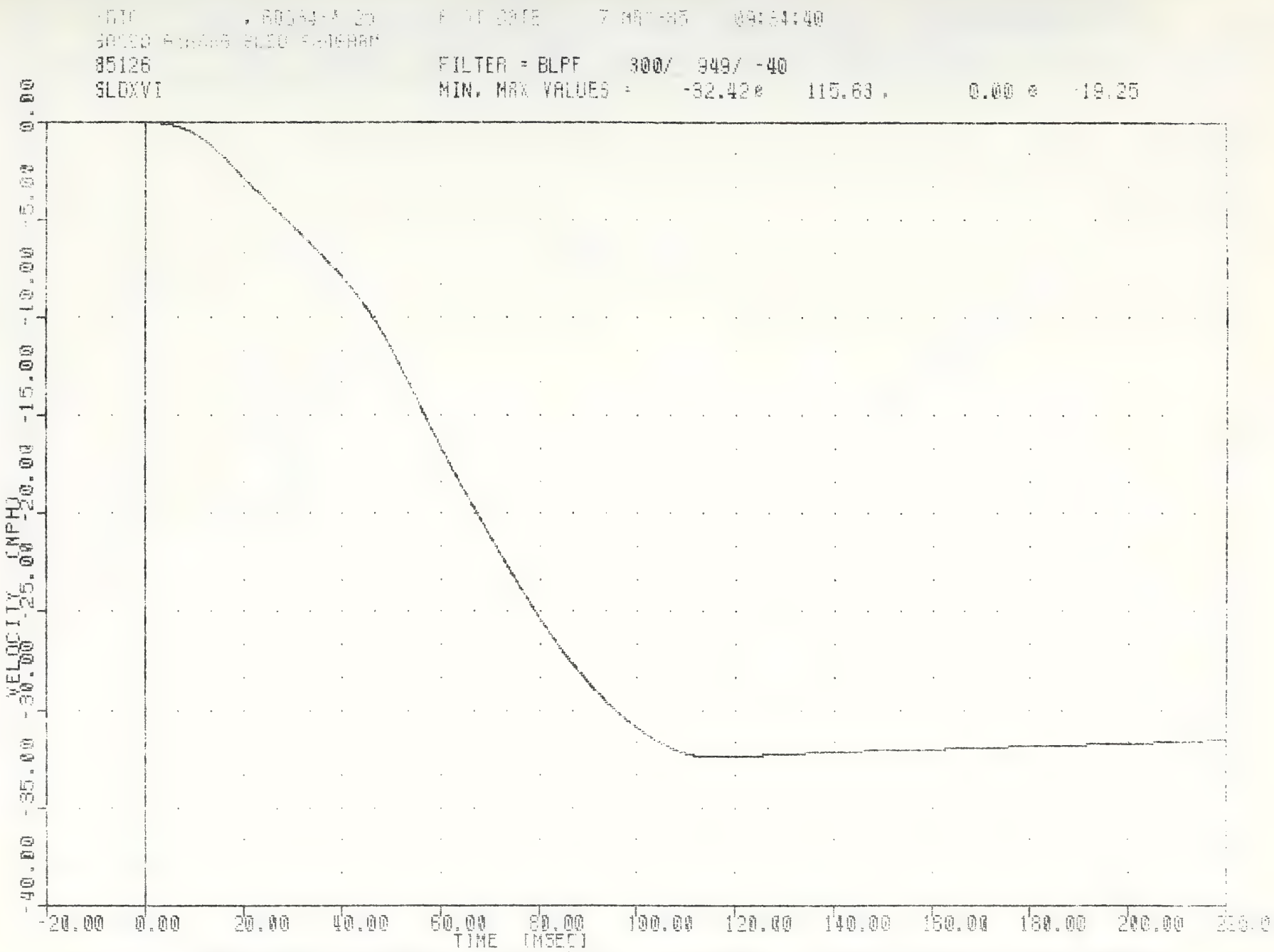


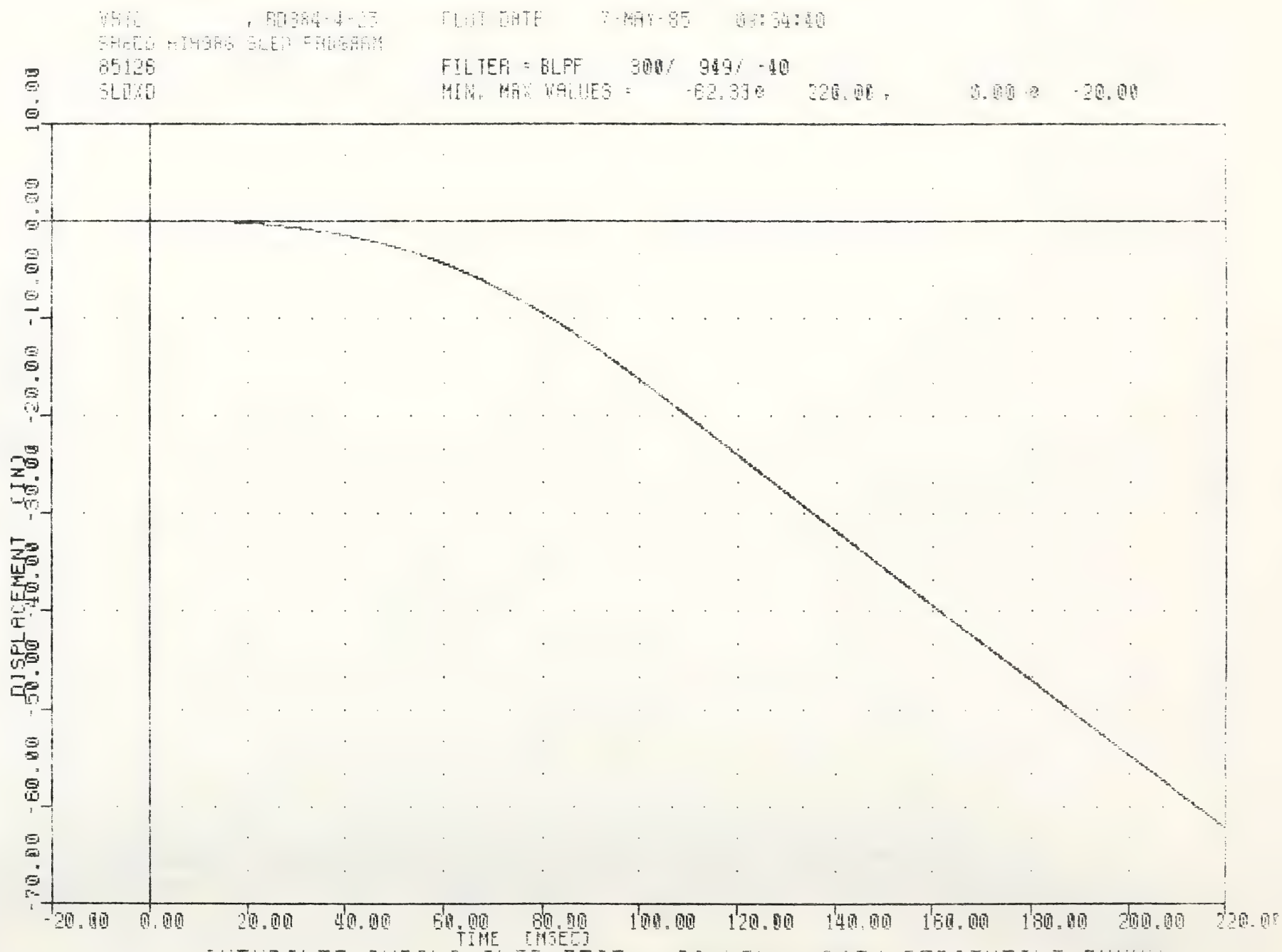
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

SLED VELOCITY (CHRYSLER)

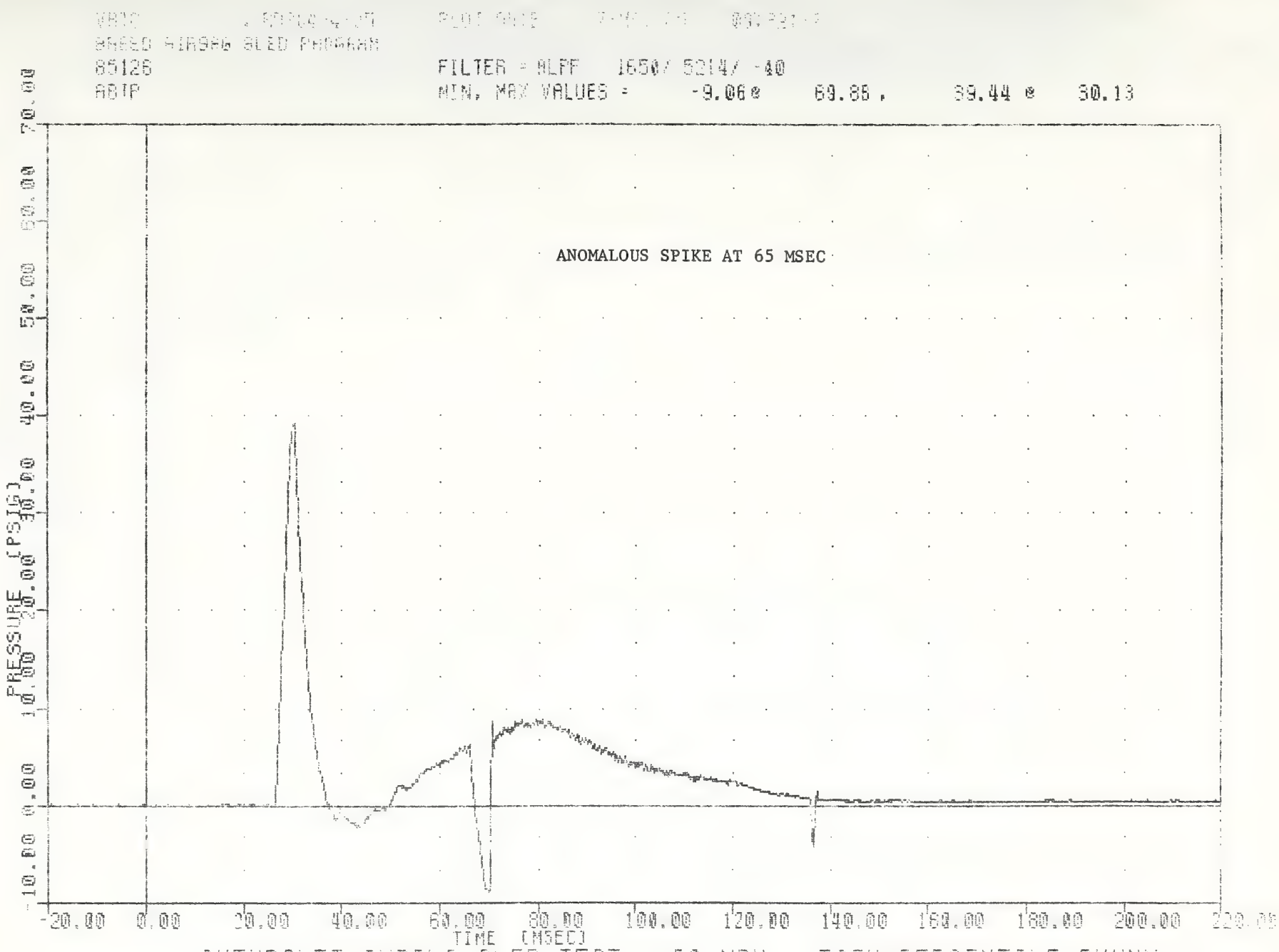


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

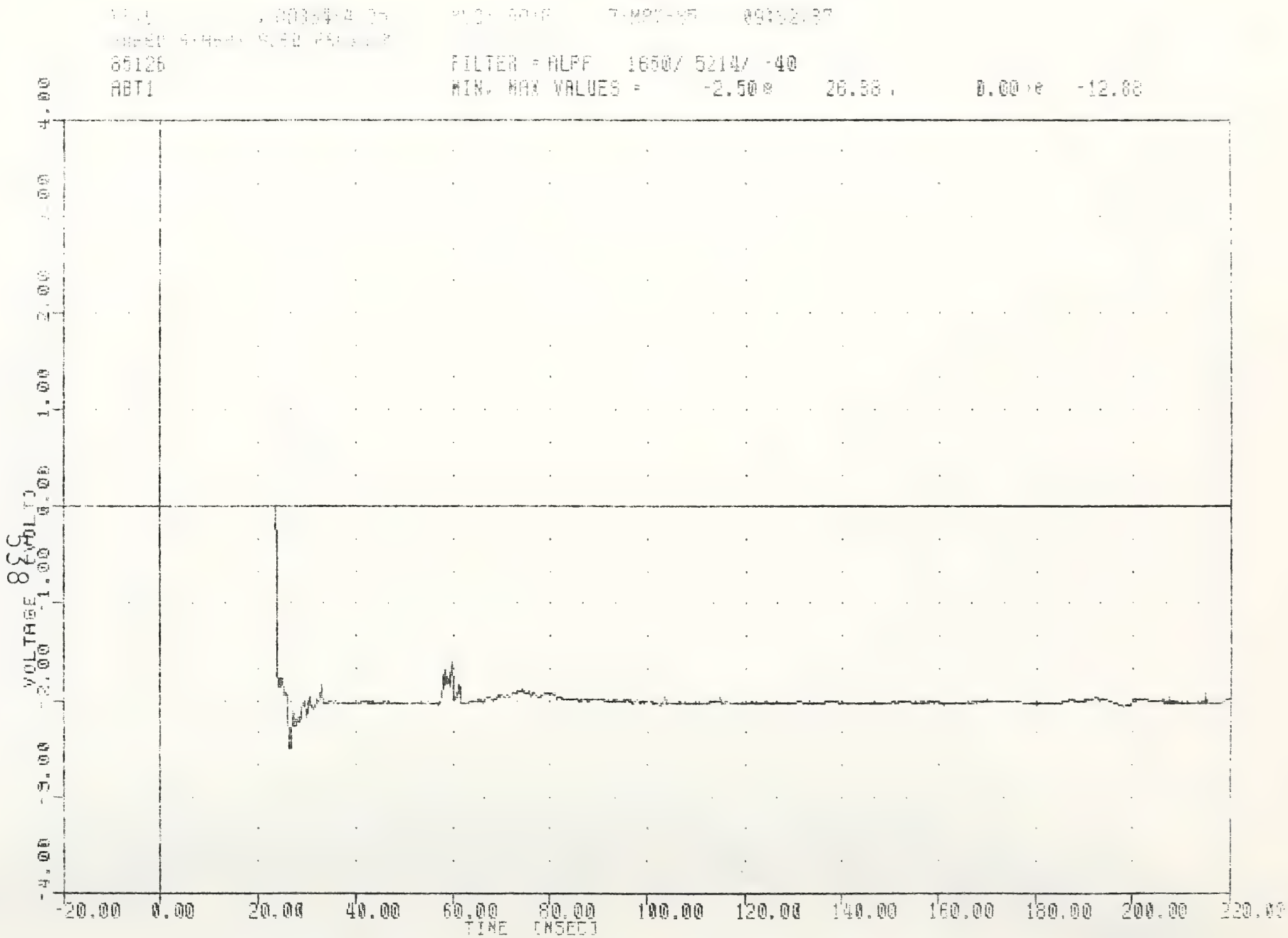

85126
SLDXVI
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -32.42@ 115.63 , 0.00 @ -19.25
VELOCITY (MPH)
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
-40.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA (WEIGHT 1.0)

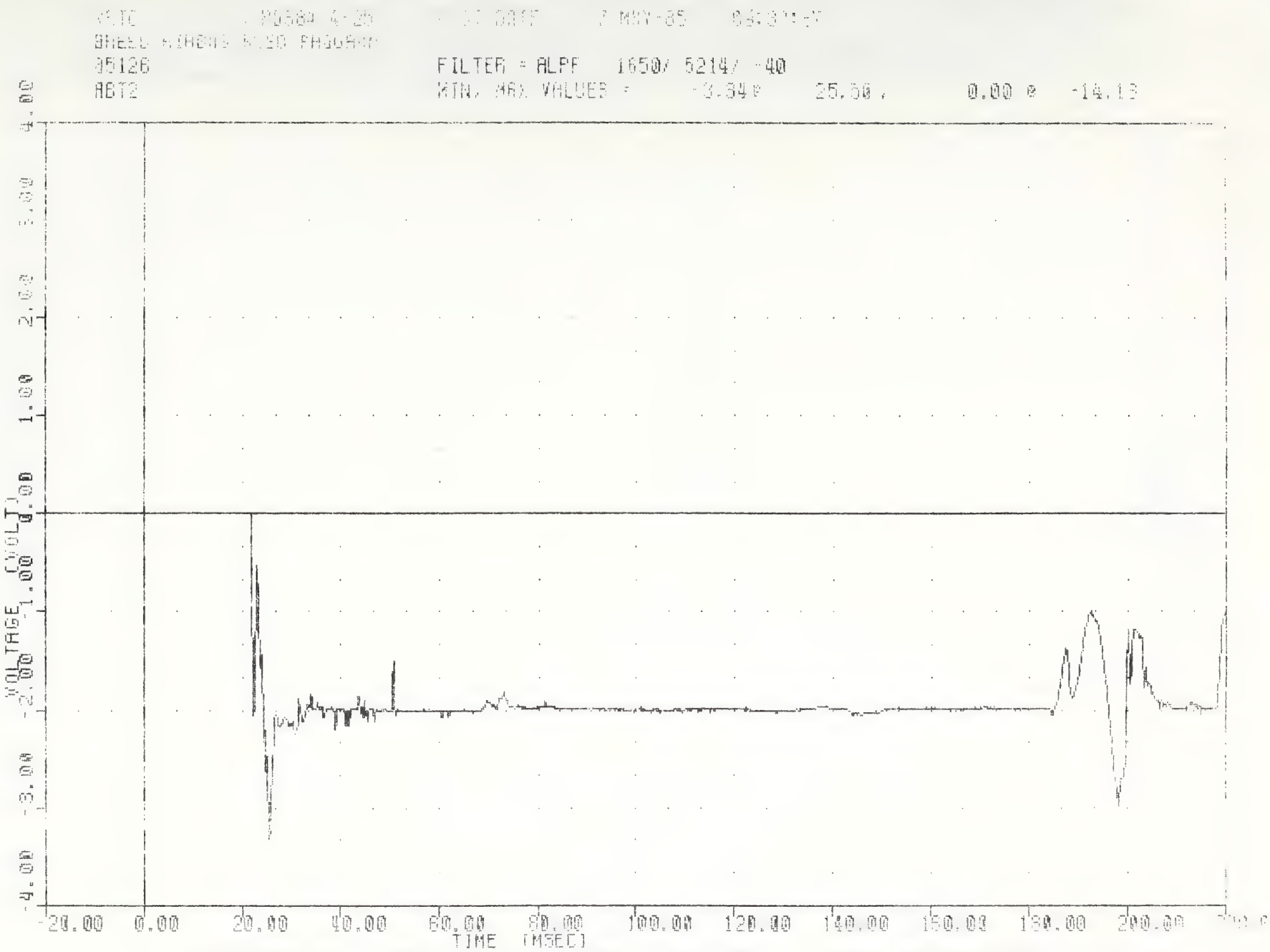


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

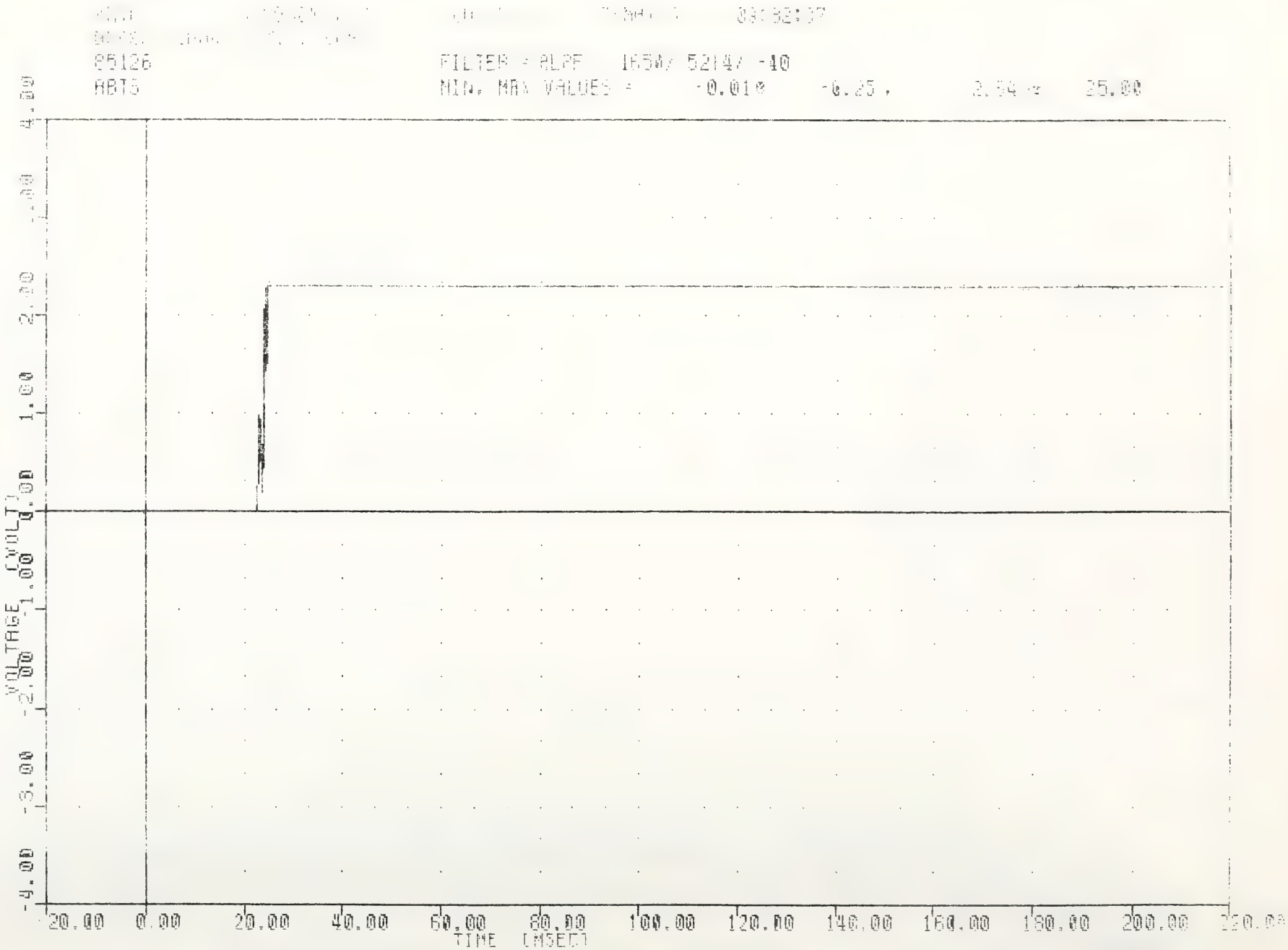


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

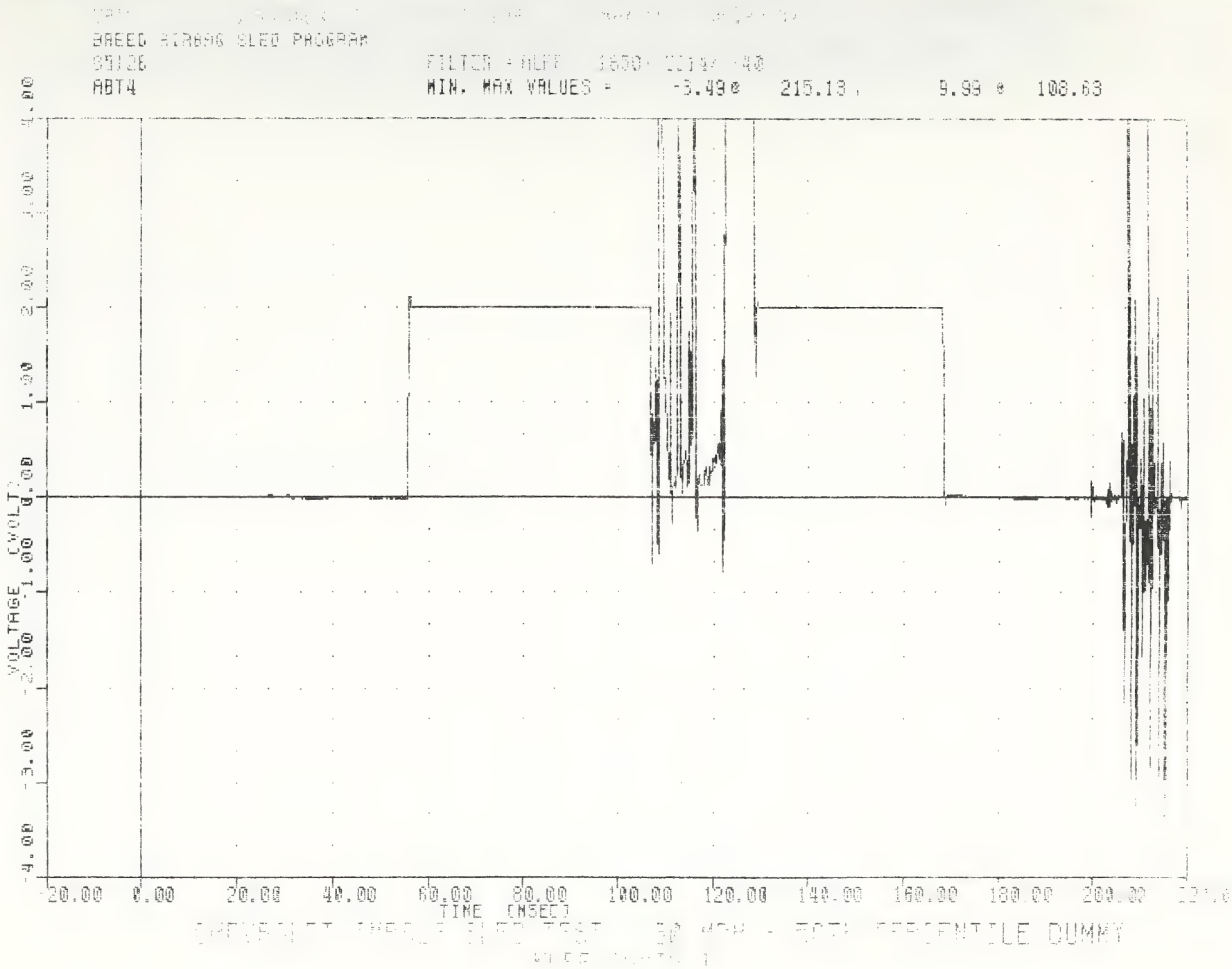
'PASSIVE DURNWIRE 1

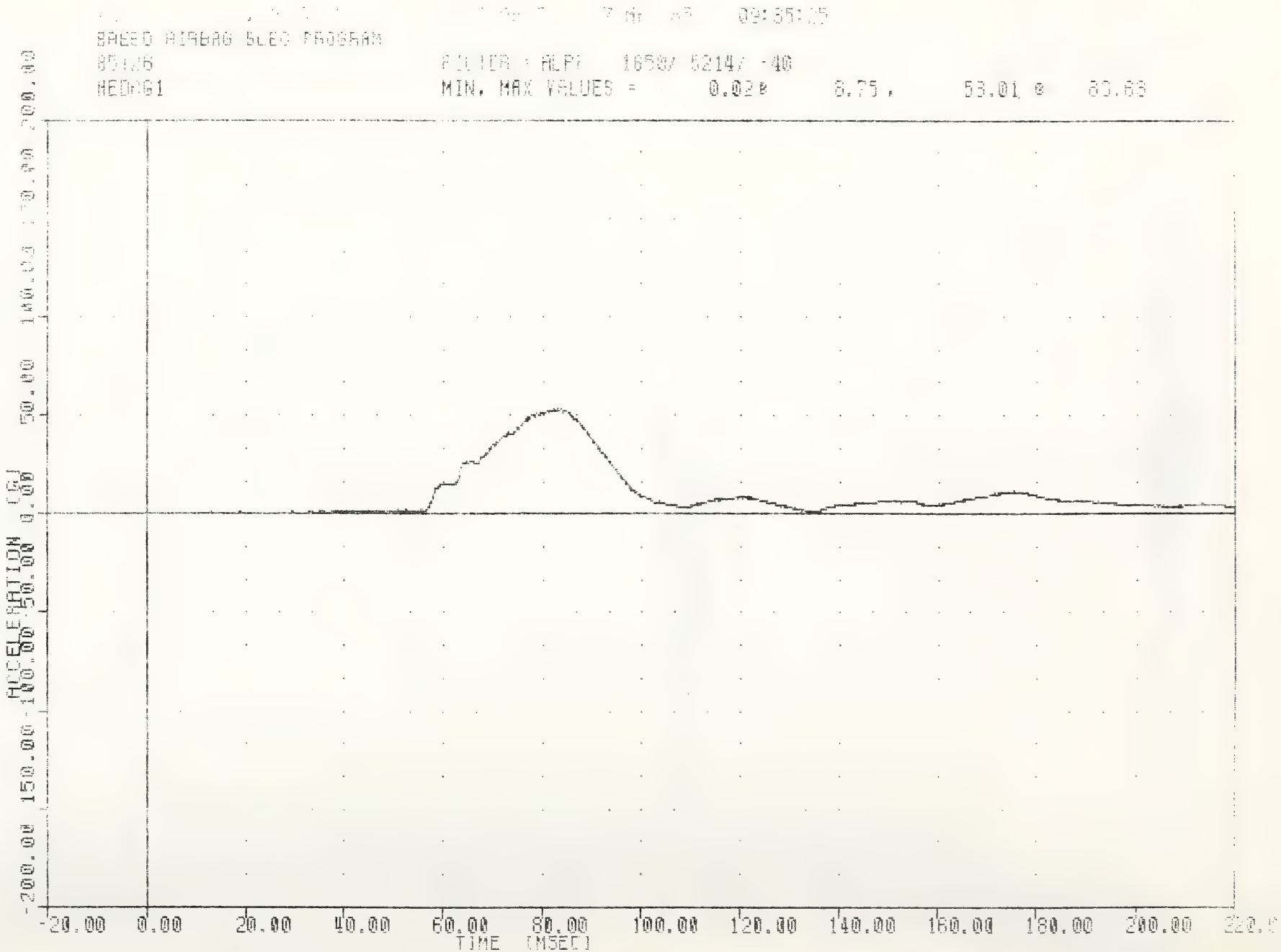


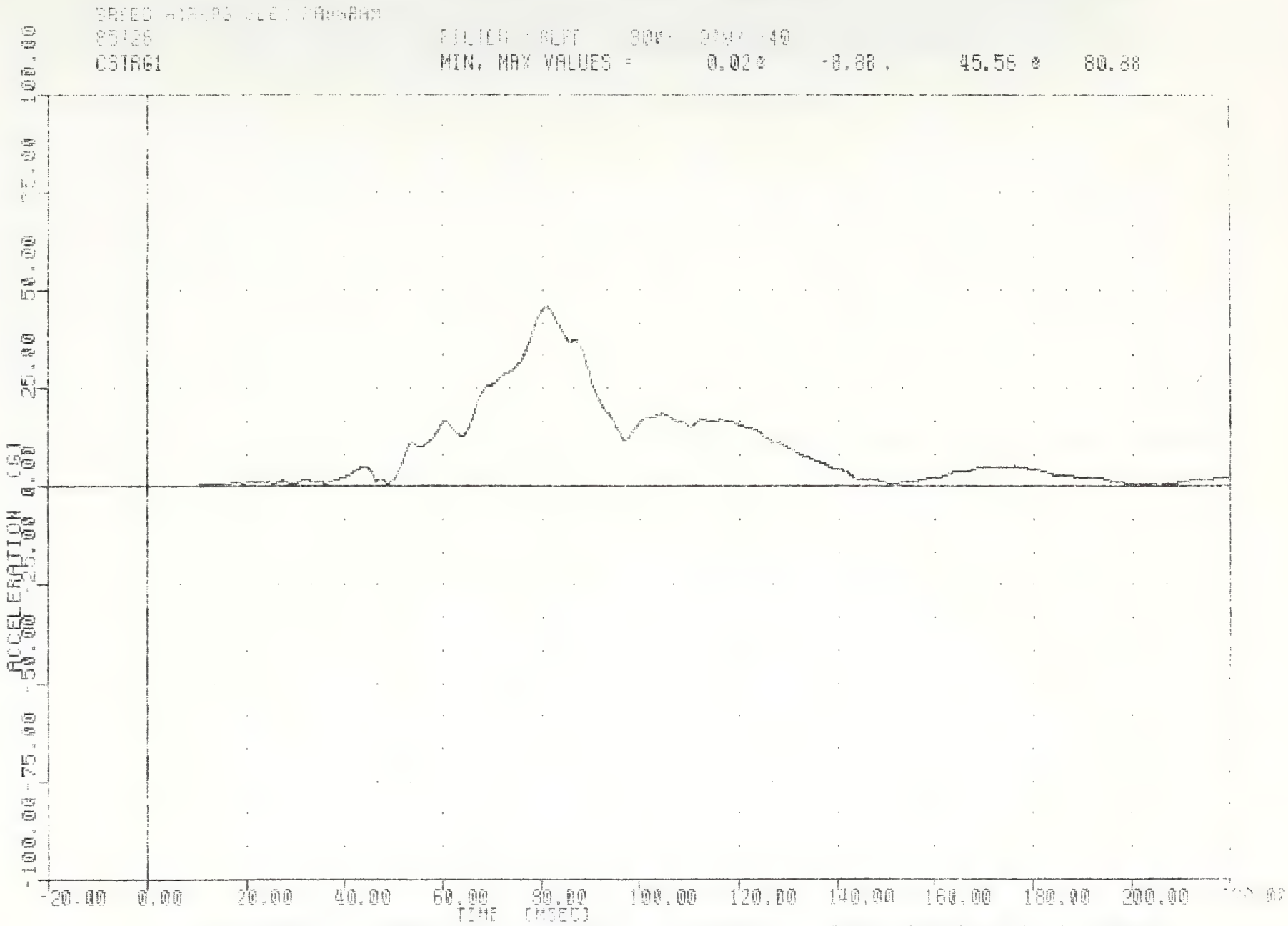
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SEAT BELT

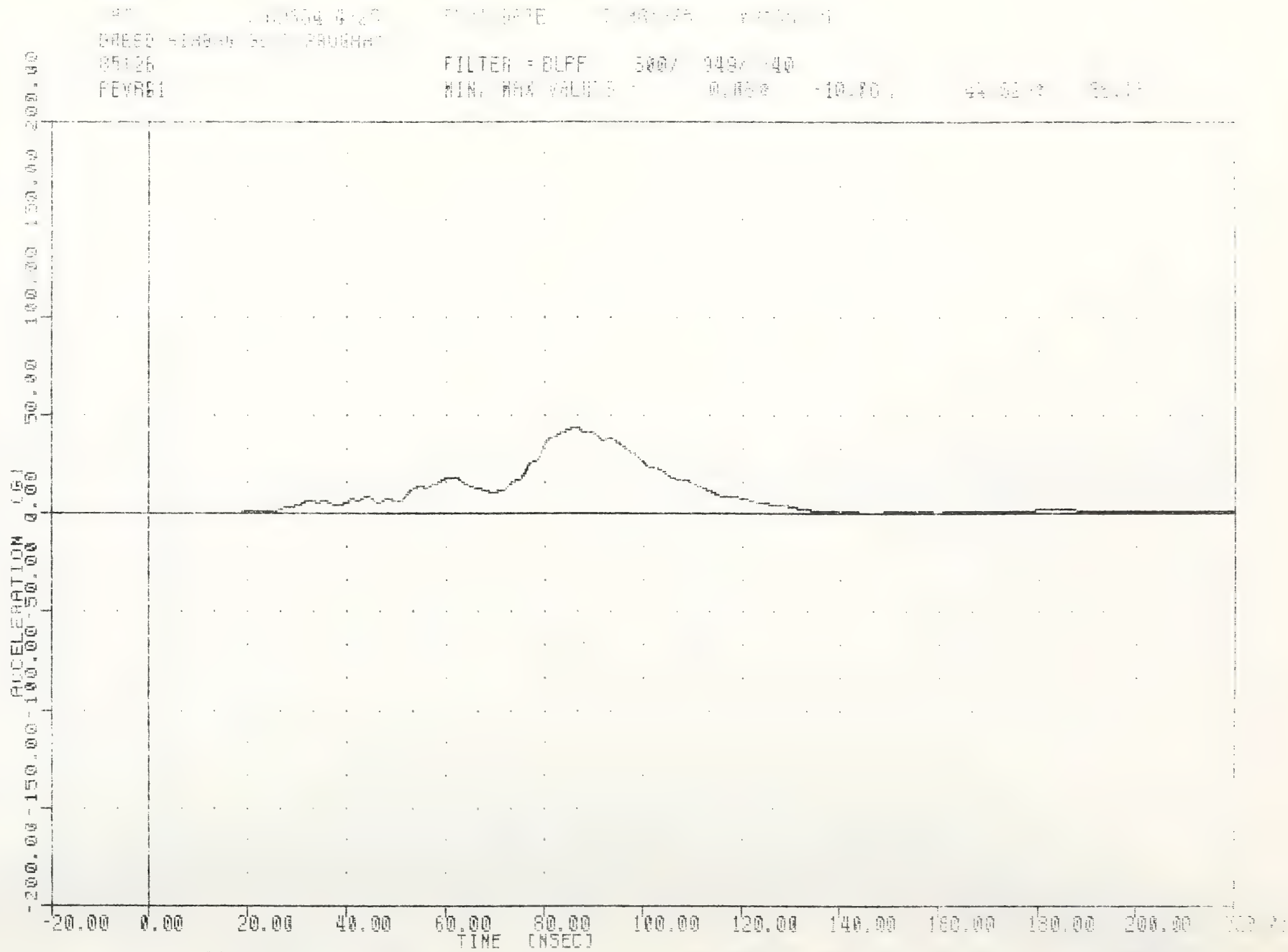


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

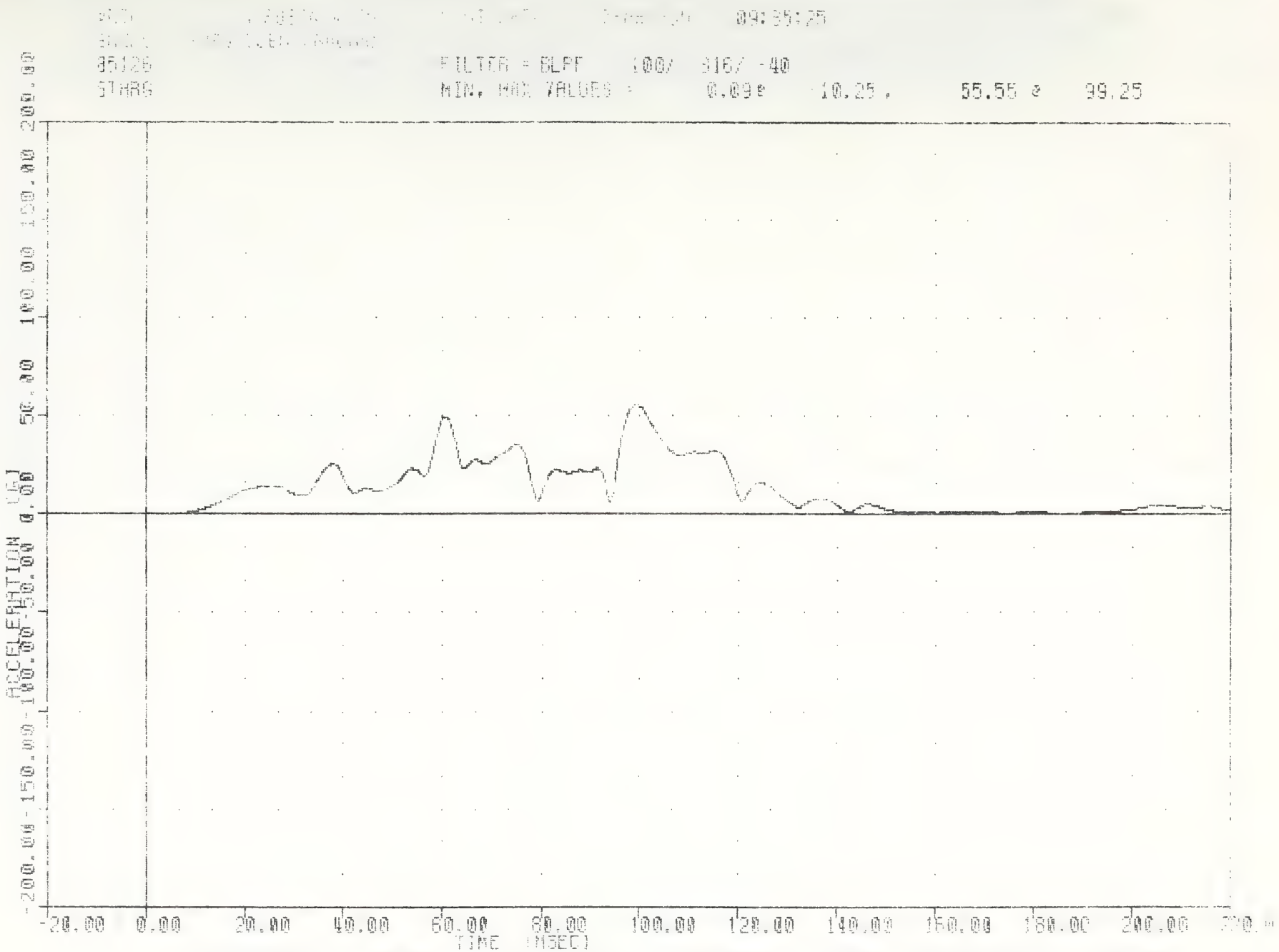

BREED AIRBAG SLED PROGRAM
95126
ABT4
FILTER = NOFF
MIN. MAX VALUES = -5.49@ 215.13 , 9.99 @ 108.63
VOLTAGE (VOLTS)
4.00
3.00
2.00
1.00
0.00
-1.00
-2.00
-3.00
-4.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)


BASED AIRBAG SLED PROGRAM
HEDWG1
MIN. MAX VALUES =
0.020
8.75
53.01
ACCELERATION [G]
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

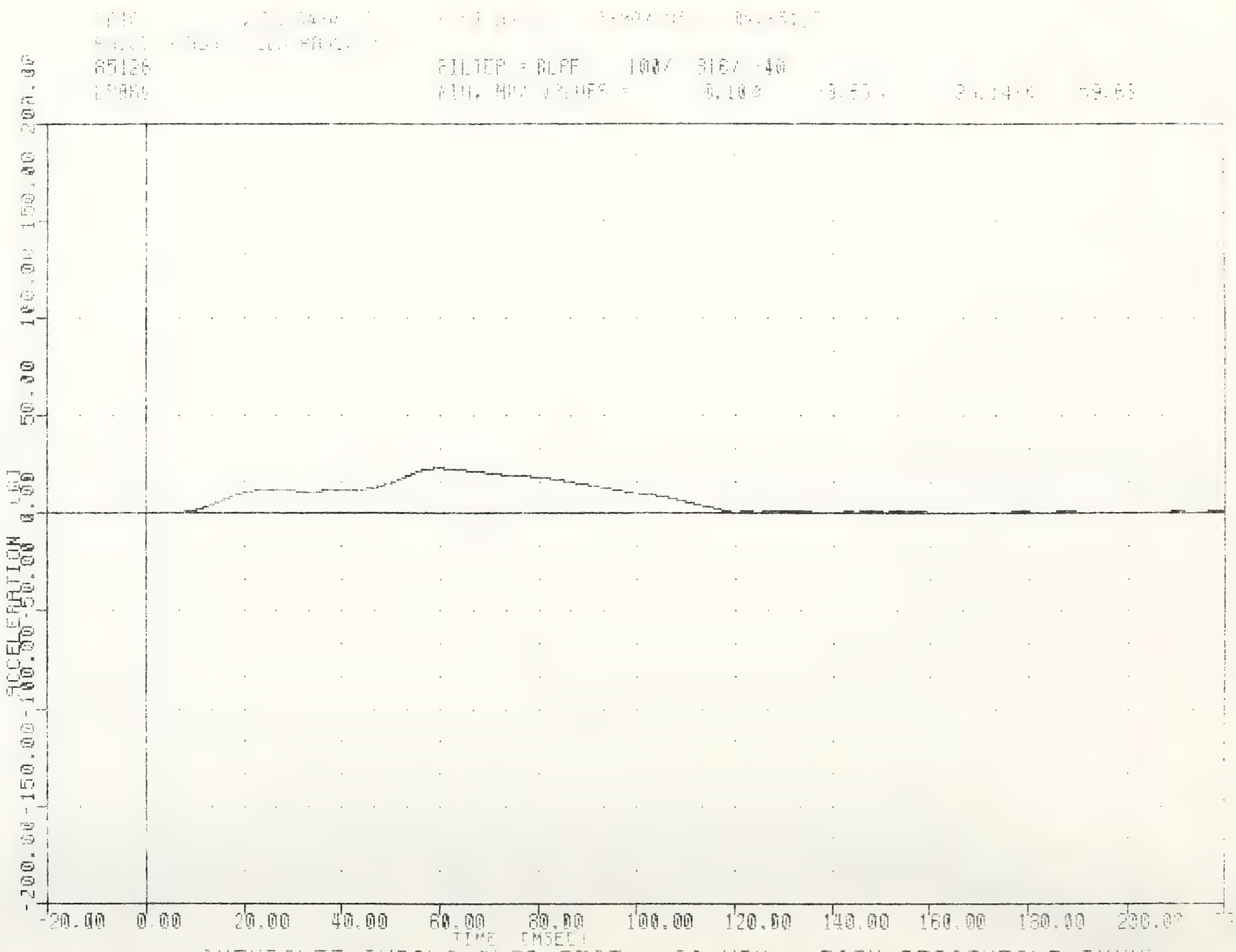

85126
CSTAG1
MIN, MAX VALUES = 0.02 @ -8.88 , 45.55 @ 80.88
ACCELERATION (G)
100.00
75.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)

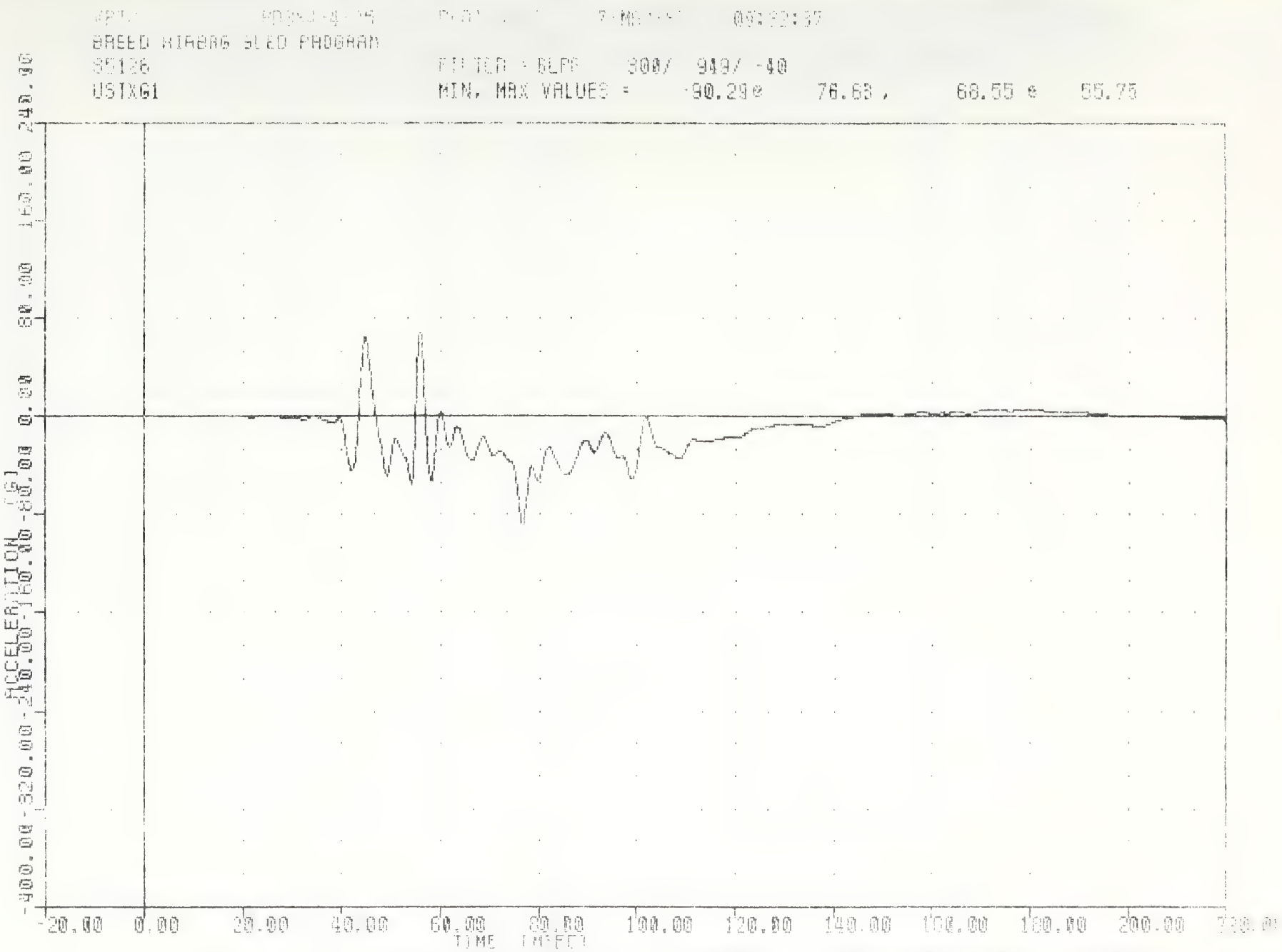


CHEVROLET IMPALA SLED TEST - 50 MPH

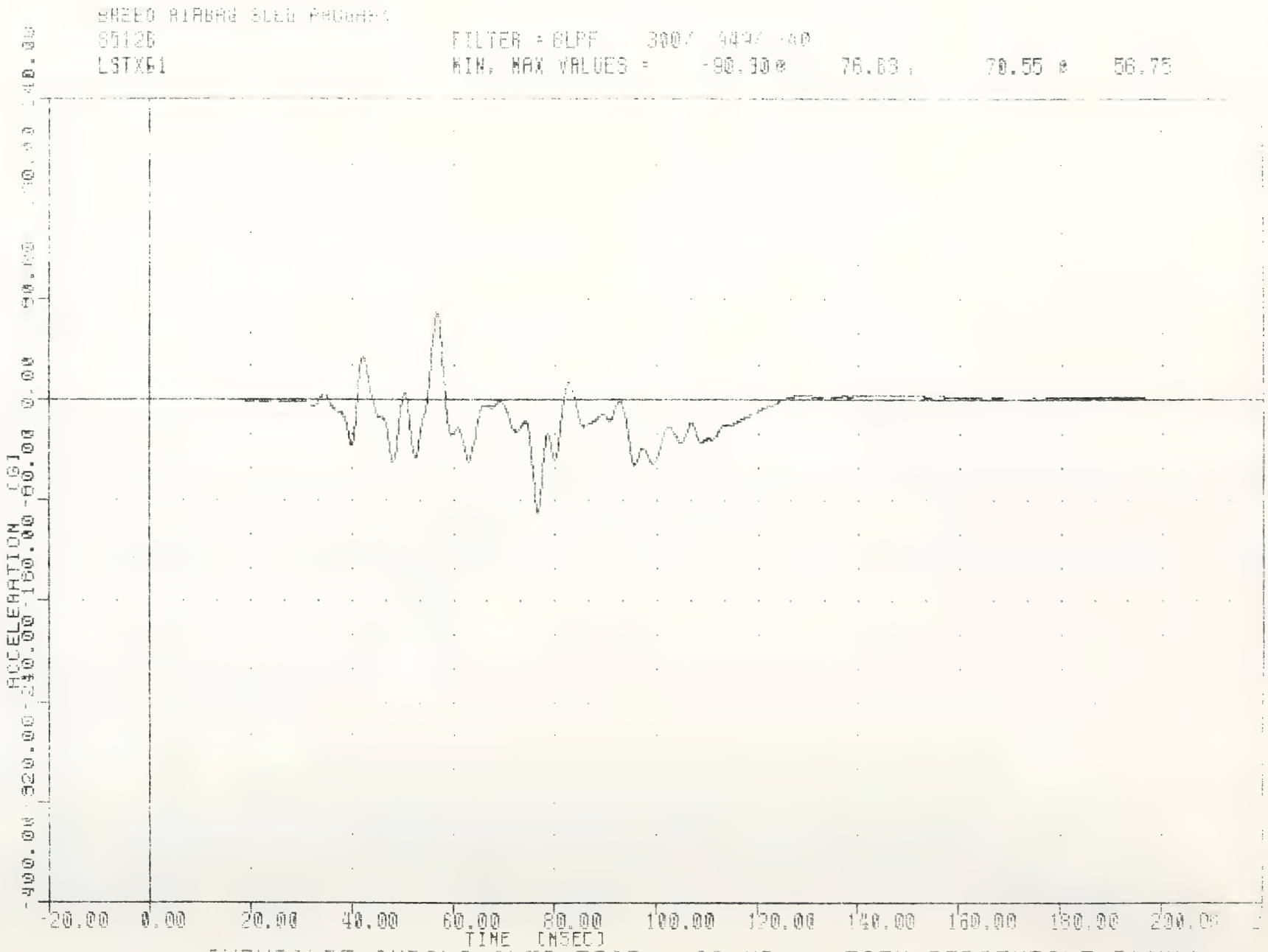


CHEVROLET IMPALA SLED TEST - 30 MPH - FIFTH PERCENTILE DUMMY


85126
FILTER = BLPF 100% 316% 40
ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

TRC433P.RAD;1
VRTC RD384-4-26 BREED AIRBAG SLED PROGRAM 7-MAY-85 14:10
85127 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.046 @ 76.125	1.614 @ -0.625 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.901 @ 119.875	0.190 @ -0.250 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.489 @ 57.500	0.603 @ 132.625 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-53.261 @ 79.000	2.250 @ 56.250 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-2.137 @ 76.625	2.559 @ 93.625 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-11.477 @ 107.125	7.704 @ 90.250 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-56.523 @ 77.875	3.577 @ 166.125 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-1.591 @ 76.250	2.779 @ 97.250 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-4.331 @ 104.125	2.234 @ 96.000 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-111.874 @ 75.000	27.141 @ 51.500 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-57.141 @ 93.125	8.424 @ 65.125 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-46.326 @ 82.250	1.788 @ 145.625 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-5.032 @ 78.750	5.406 @ 60.250 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-17.740 @ 83.125	1.178 @ 171.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-787.633 @ 59.875	23.043 @ 128.750 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-396.589 @ 50.875	18.123 @ 126.000 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-104.474 @ 108.125	36.898 @ 86.500 msec	g	BLPF 100/ 316/ -40
18	STHLG	-12.289 @ 106.250	20.705 @ 111.500 msec	g	BLPF 100/ 316/ -40
19	STHIG	-25.932 @ 115.250	48.078 @ 107.000 msec	g	BLPF 100/ 316/ -40
20	LPBXG	-23.223 @ 60.375	0.628 @ 156.875 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-2.170 @ 81.250	2.129 @ 46.125 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-1.419 @ 32.125	1.942 @ 27.875 msec	g	BLPF 100/ 316/ -40
23	LBOF1	-0.647 @ 220.000	1315.222 @ 86.375 msec	lb	BLPF 100/ 316/ -40
24	ABTP	-2.199 @ 46.000	33.145 @ 29.875 msec	psig	ALPF 1650/ 5214/ -40
25	ABT1	-8.232 @ 26.625	0.304 @ 205.875 msec	volt	ALPF 1650/ 5214/ -40
26	ABT2	-4.820 @ 184.500	0.530 @ 205.875 msec	volt	ALPF 1650/ 5214/ -40
27	ABT3	-0.003 @ -20.000	2.347 @ 26.375 msec	volt	ALPF 1650/ 5214/ -40
28	ABT4	-0.470 @ 128.875	2.161 @ 54.250 msec	volt	ALPF 1650/ 5214/ -40

TRC433IP.RAD;1
VRTC RD384-4-26 BREED AIRBAG SLED PROGRAM 7-MAY-85 14:10
85127 30.00 mph

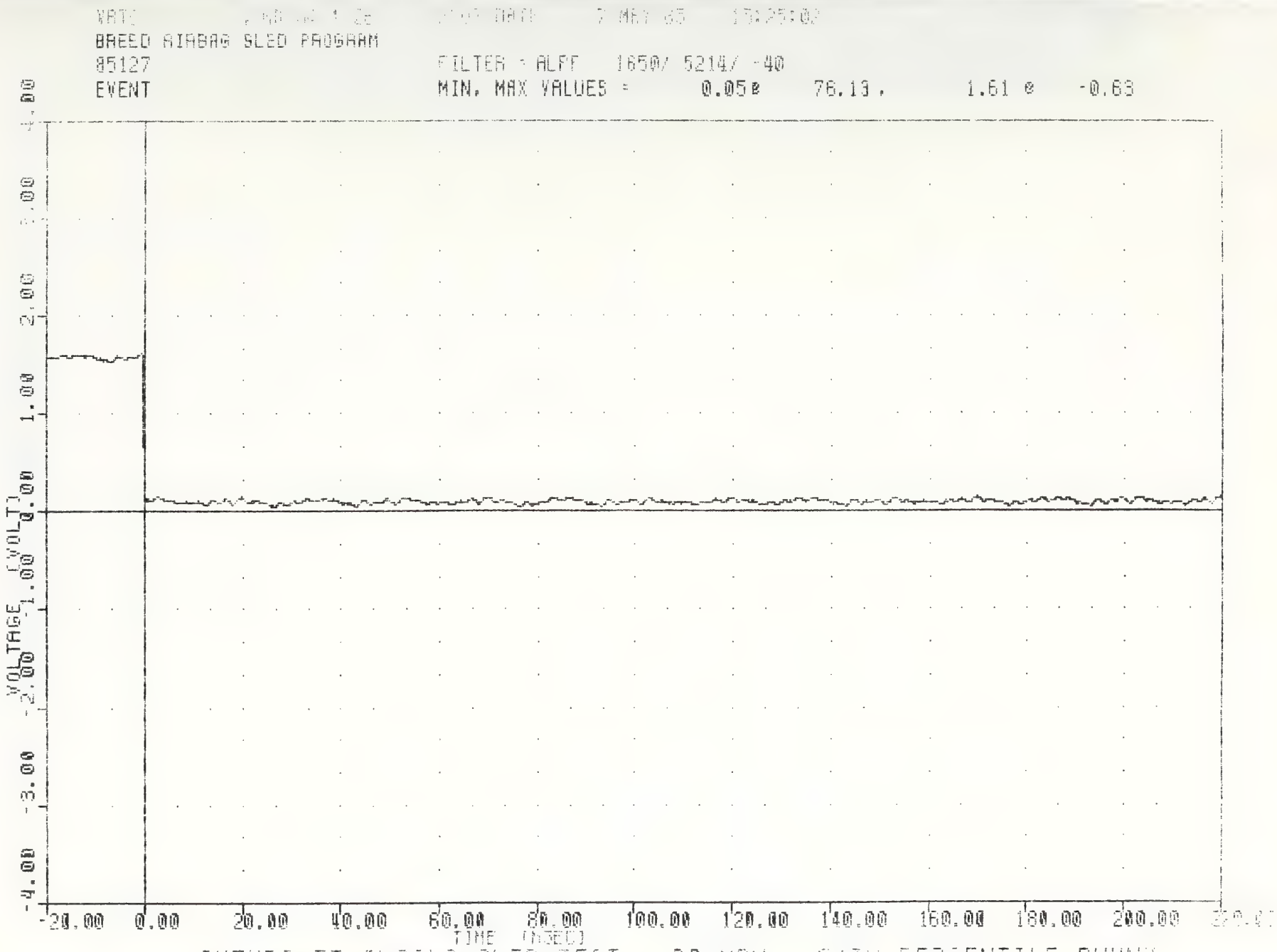
		Min value	Max value	Data Units	Filter
1	HEDXV1	-40.376 @ 204.125	0.893 @ 60.000 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-55.470 @ 220.000	0.404 @ 67.000 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-38.661 @ 142.000	0.006 @ -8.875 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-59.433 @ 220.000	0.006 @ -19.625 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-32.509 @ 118.875	-0.346 @ -1.250 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-56.705 @ 220.000	-0.196 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-32.518 @ 115.750	-0.001 @ -20.000 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.508 @ 220.000	0.000 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-27.692 @ 111.500	-0.255 @ -18.750 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-45.097 @ 220.000	-0.132 @ -20.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-31.919 @ 117.500	-0.001 @ -20.000 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-60.445 @ 220.000	-0.001 @ -20.000 msec	in	BLPF 300/ 949/ -40

TRC433RP.RAD;1
VRTC RD384-4-26 BREED AIRBAG SLED PROGRAM 7-MAY-85 14:10
85127 30.00 mph

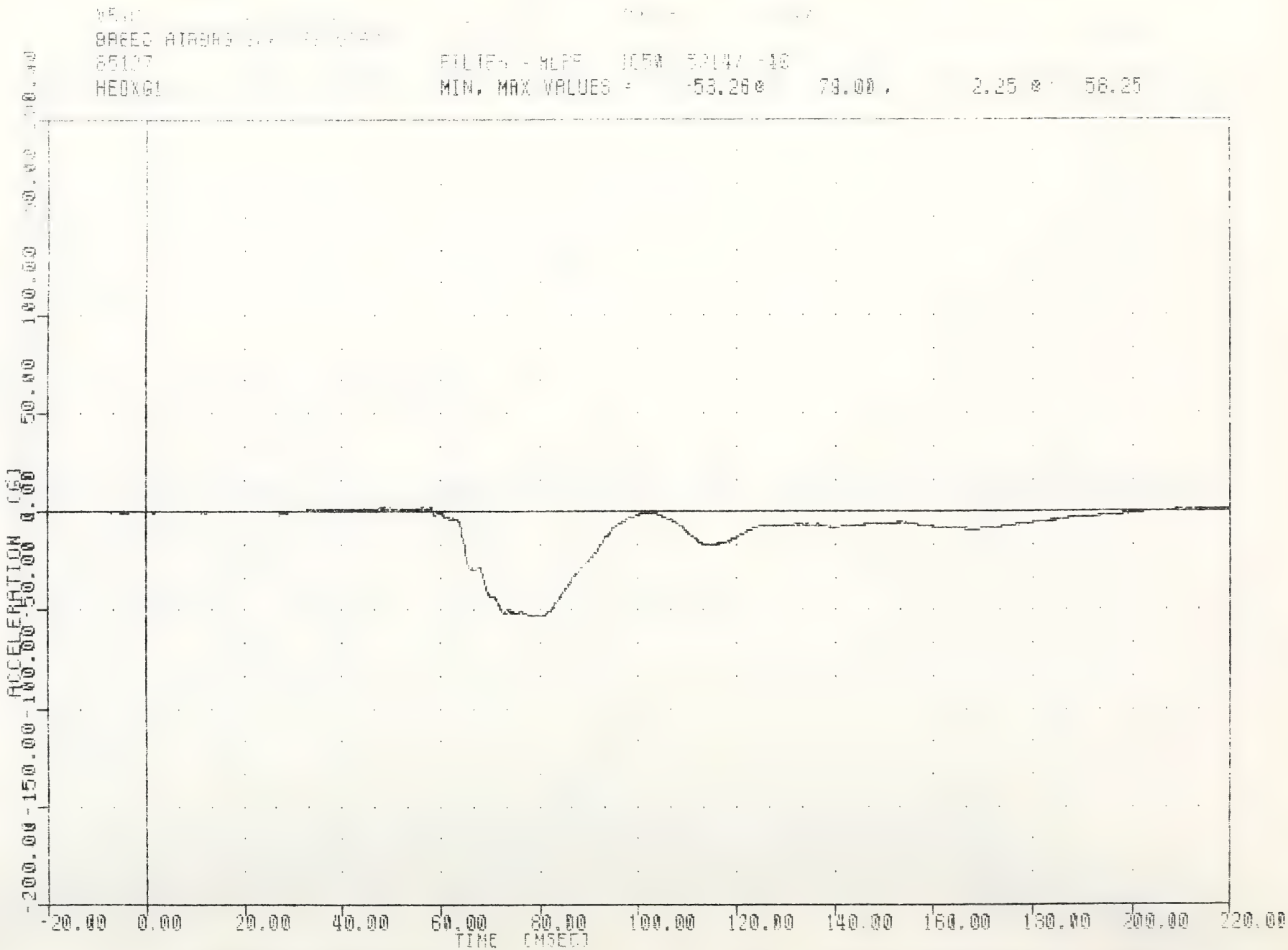
		Min value	Max value	Data Units	Filter
1	HEDRG1	0.037 @ -14.125	53.295 @ 79.000 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.007 @ -14.875	56.525 @ 77.875 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.026 @ -9.625	49.590 @ 82.375 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.070 @ -18.125	114.180 @ 107.875 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.058 @ -11.750	23.241 @ 60.250 msec	g	BLPF 100/ 316/ -40

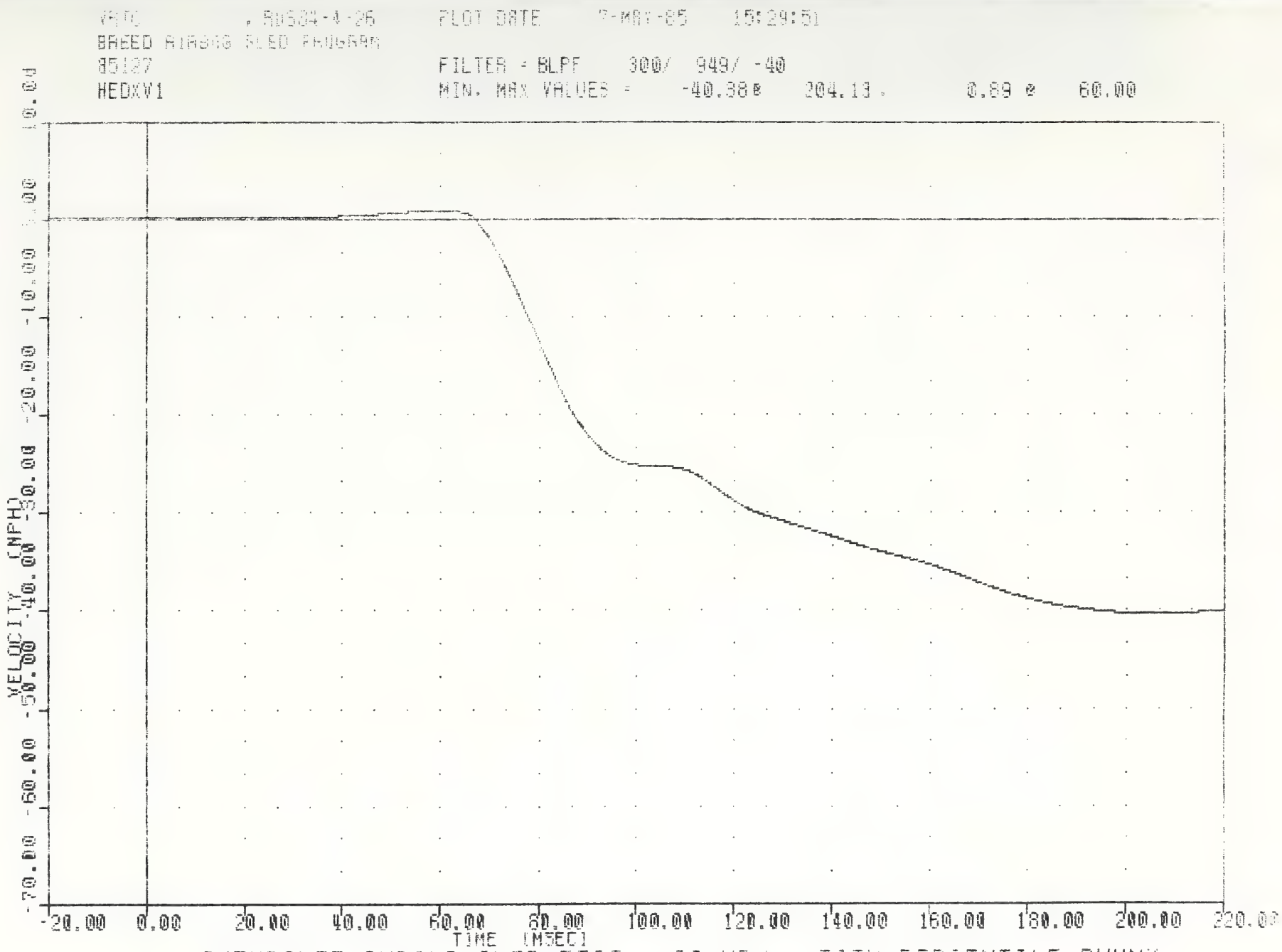
```
HIC -- Head Injury Criterion computed from a single channel

TRC433RP.RAD;1
 VRTC        RD384-4-26  BREED AIRBAG SLED PROGRAM
 85127       30.00 mph


* * *   HIC computation for HEDRG1                          7-MAY-85 14:14

   Using time range =   0.000 to  97.250 msec     Peak accel =  53.30 @  79.000

HIC =  295.76     Interval from  65.500 [ 685] to  89.500 [ 877]

HIC =  260.51     Interval from  69.500 [ 717] to  84.500 [ 837]
```

```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC433RP

File TRC433RP  ->  5 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-26  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 STHRG  LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC433RP.RAD;1                                VRTC        RD384-4-26
BREED AIRBAG SLED PROGRAM        30.0 mph      85127          7-MAY-85 14:14:19
Deltax: 0.125

3 MS CLIP PEAK:    53.55353

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```



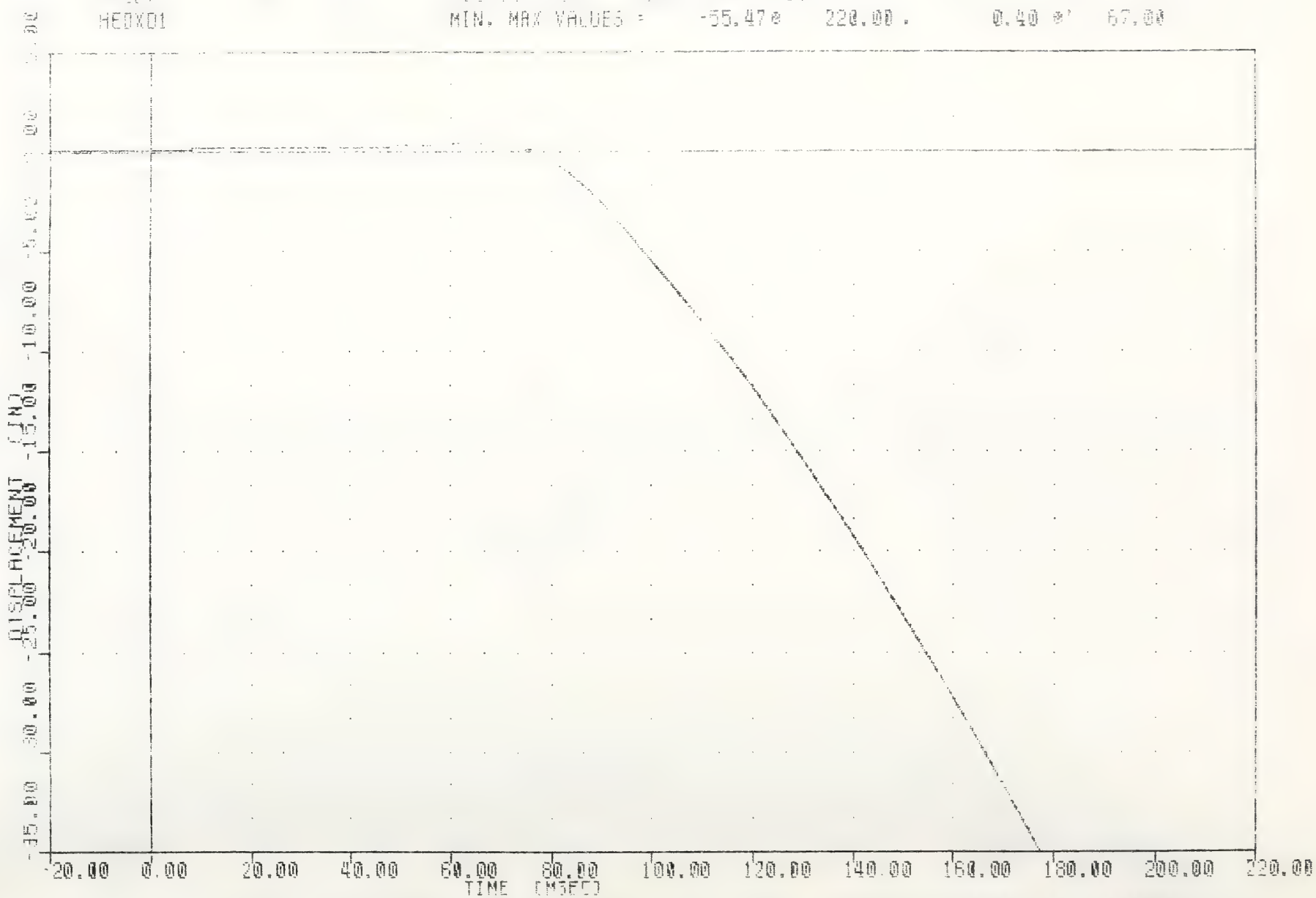
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY


BASED AIRBAG
85137
HEDXG1
MIN, MAX VALUES = -53.26@ 79.00 , 2.25@ 56.25
ACCELERATION [G]
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

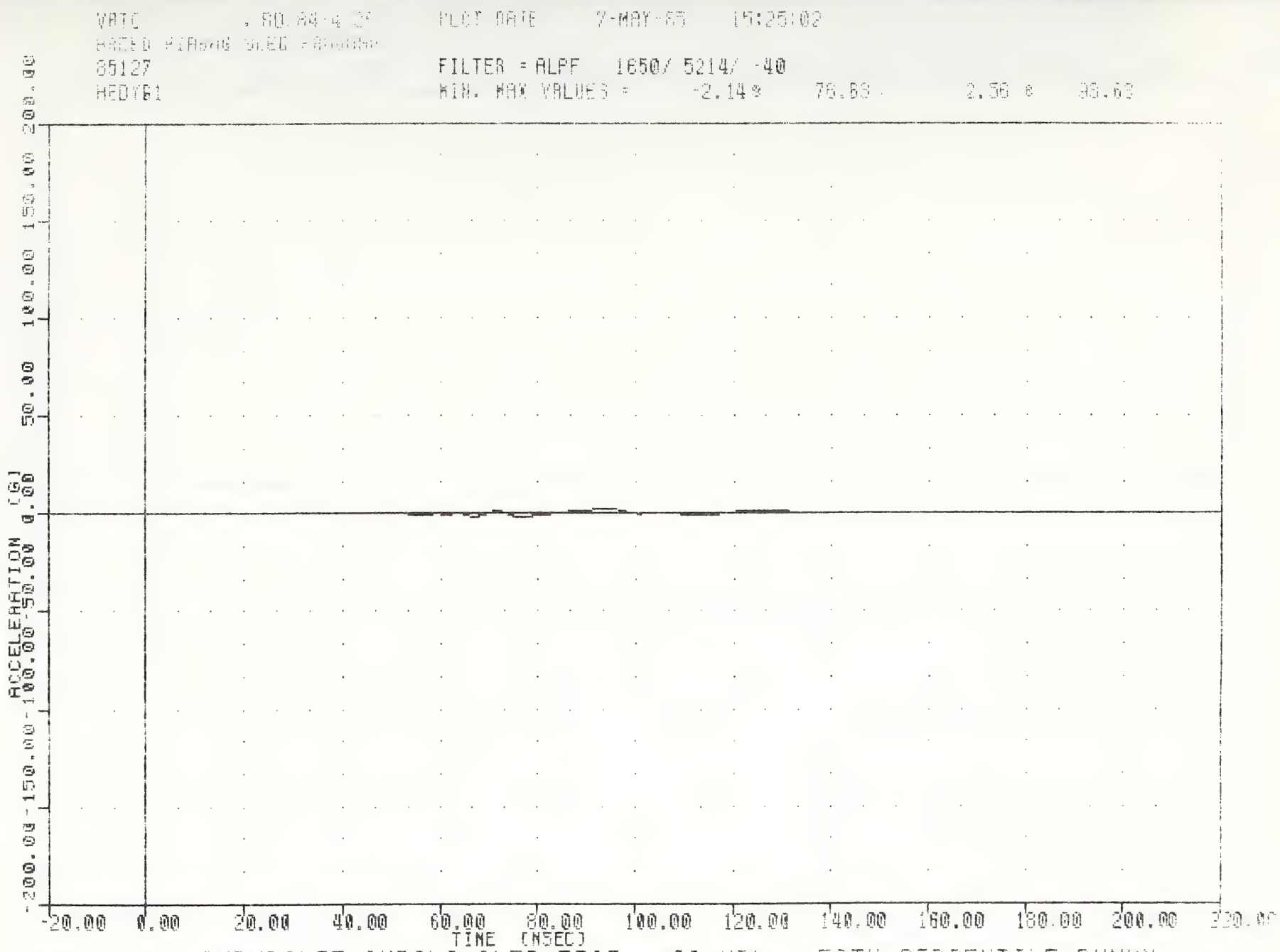


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

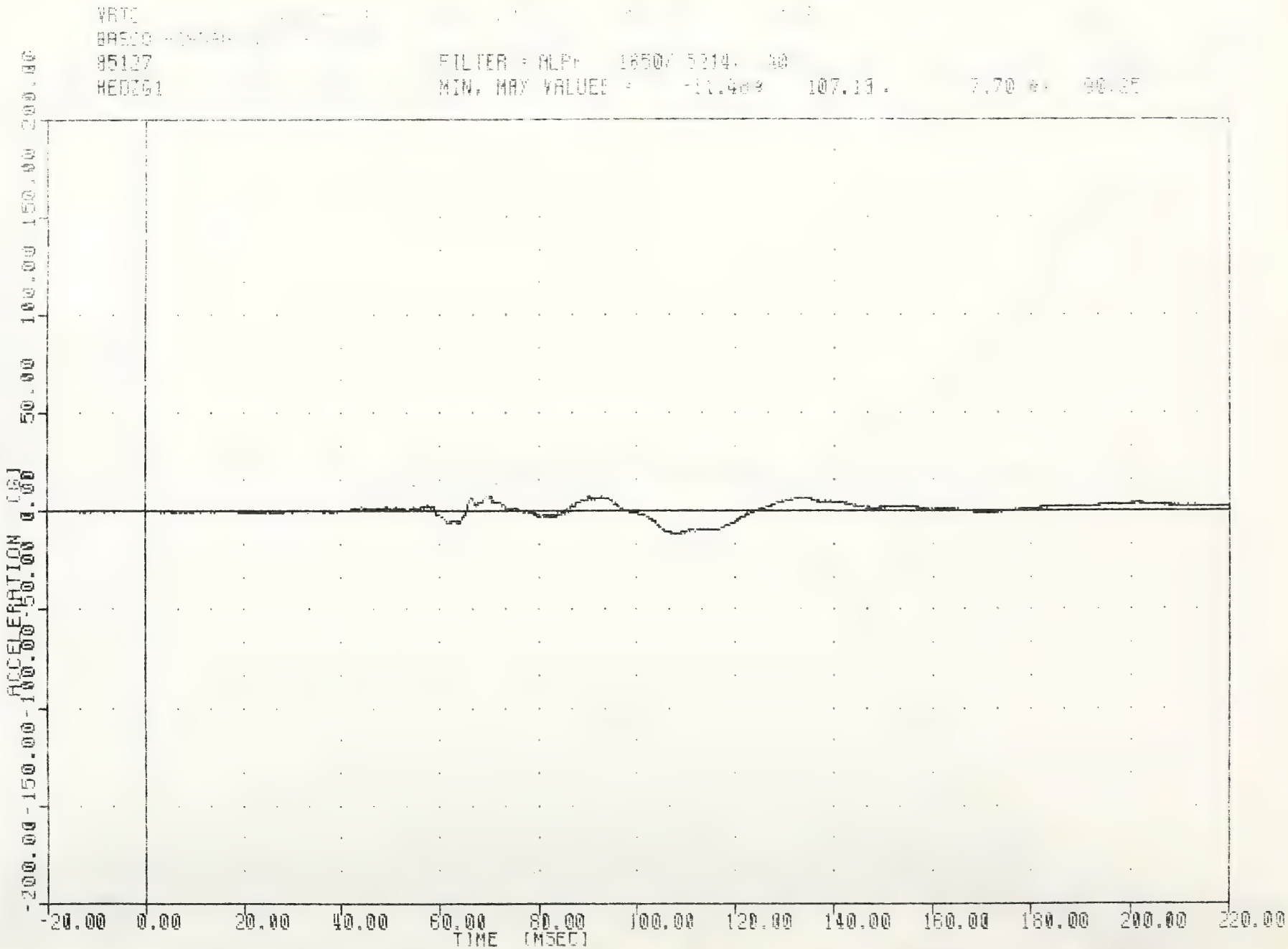
DELTA V (BIMS HEDXV1)



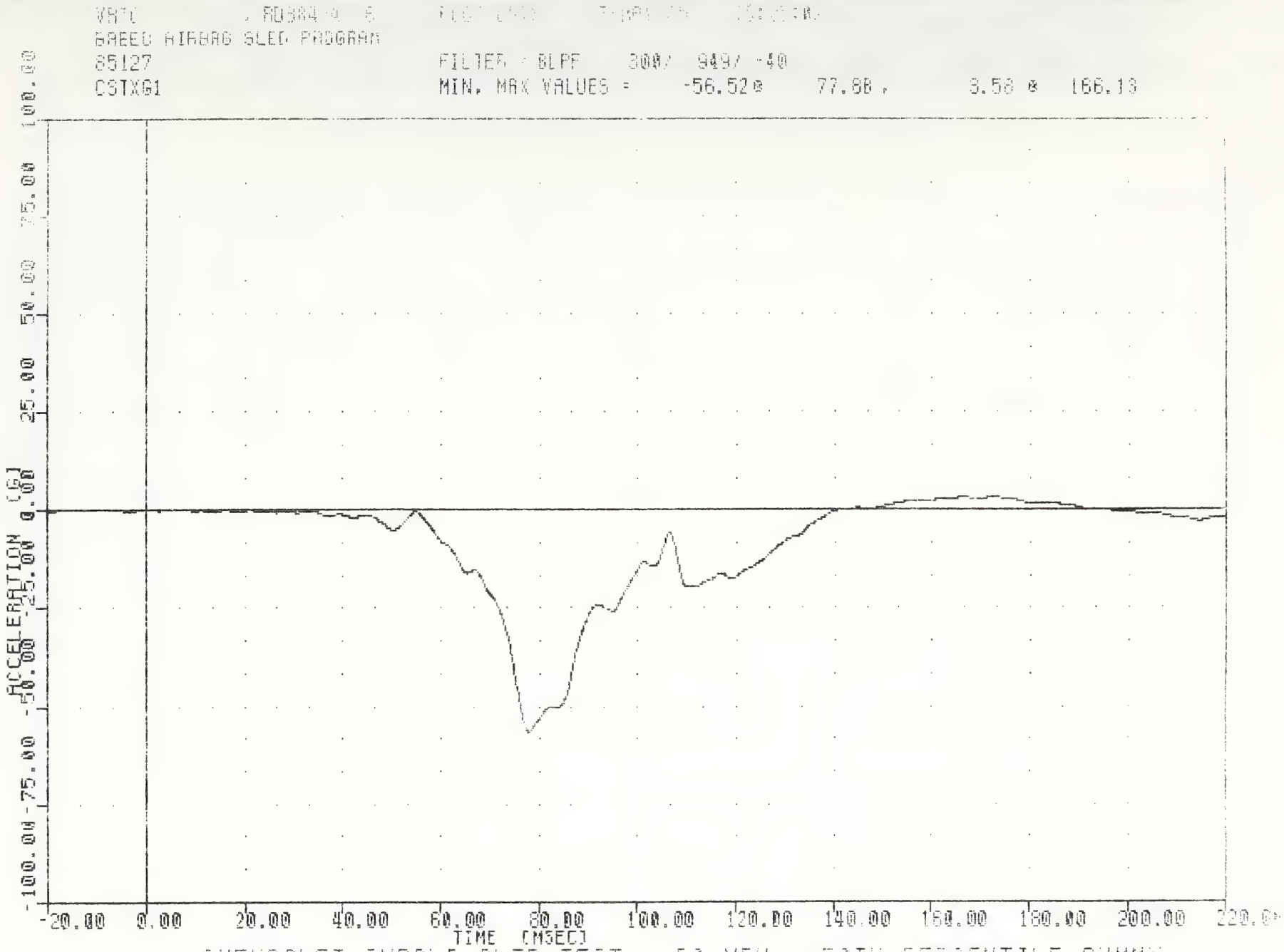
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



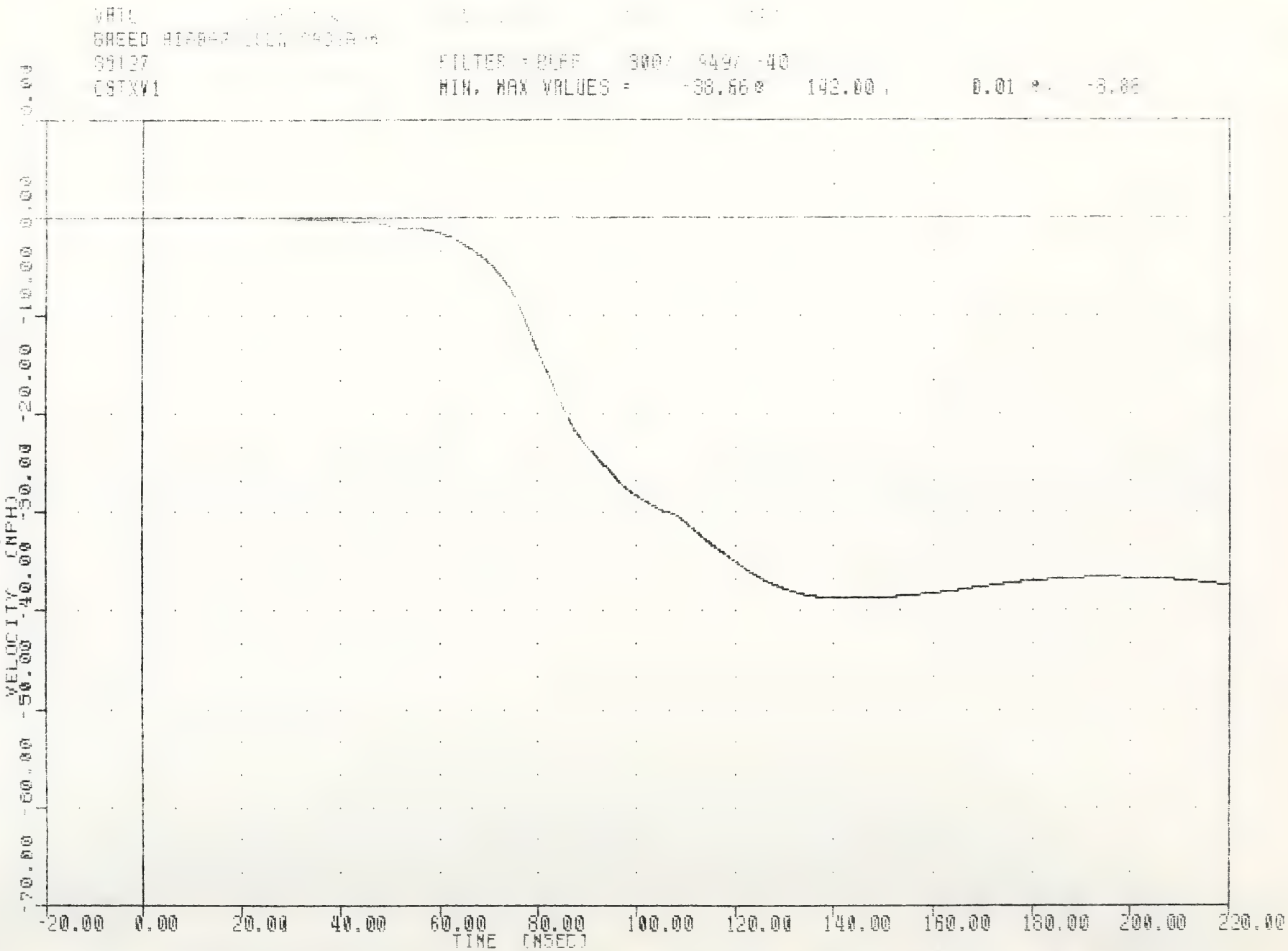
CHEVROLET IMPALA SLED TEST 30 MPH 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION - ALPF



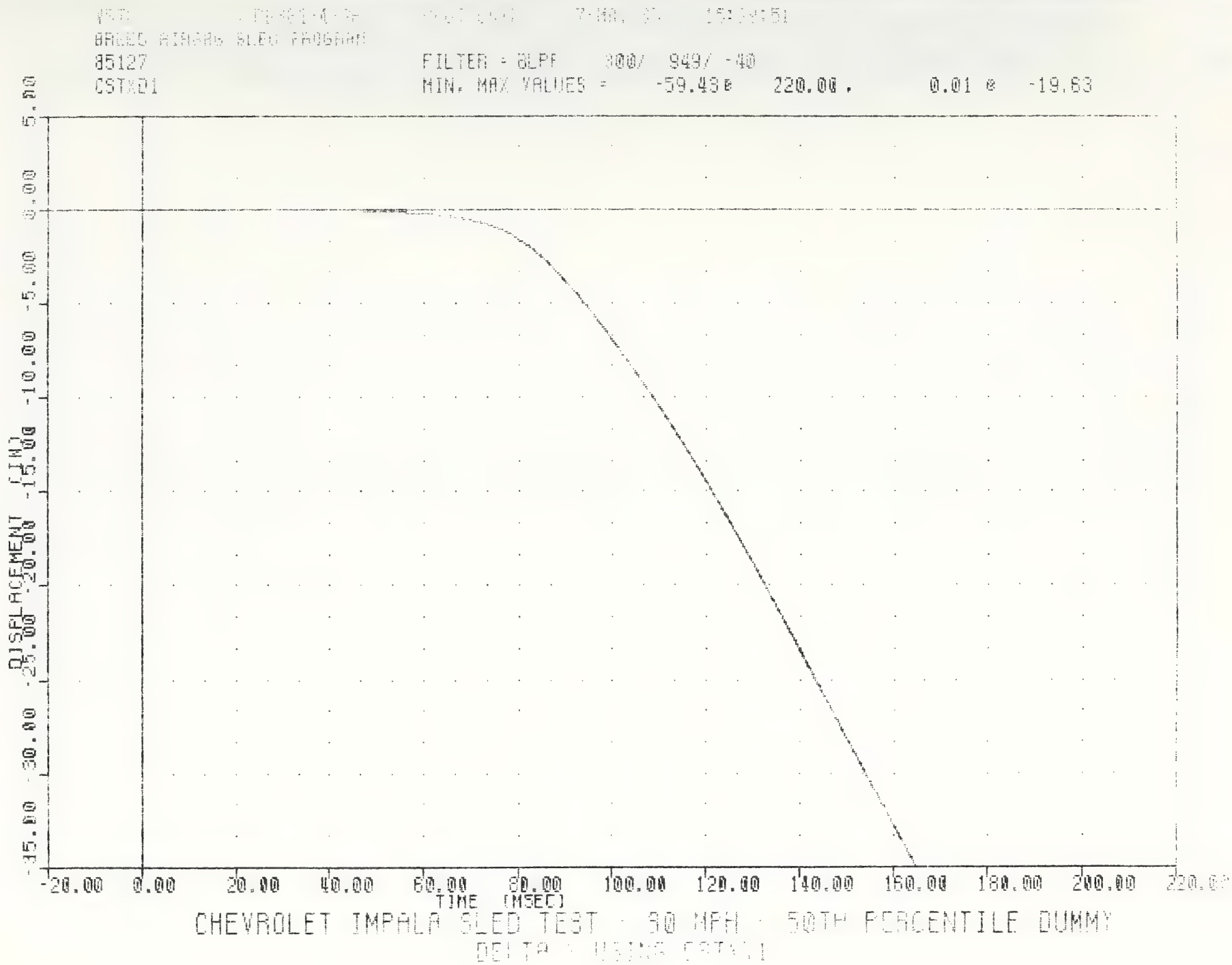
CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD



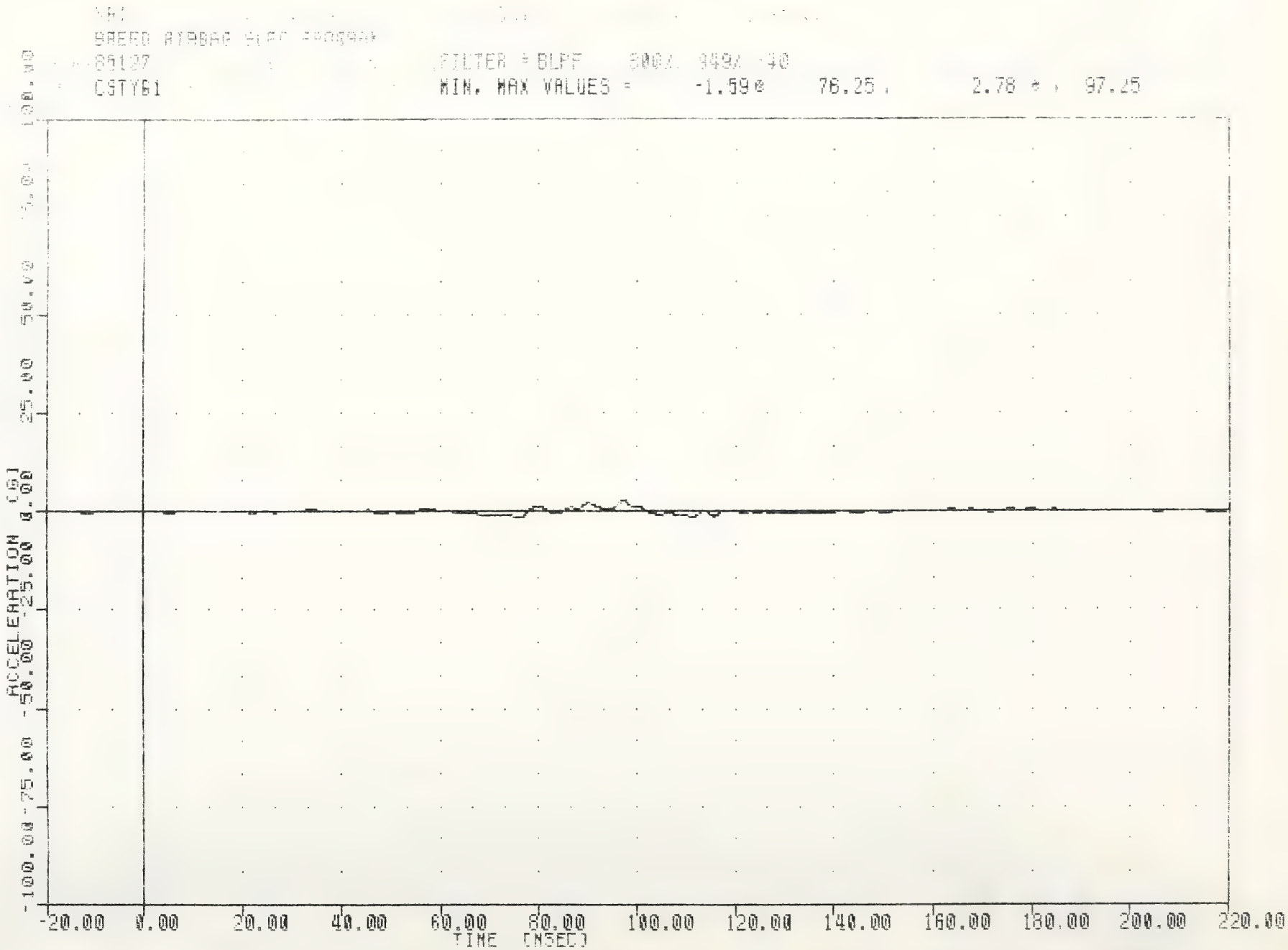
CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION - 4x1P



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

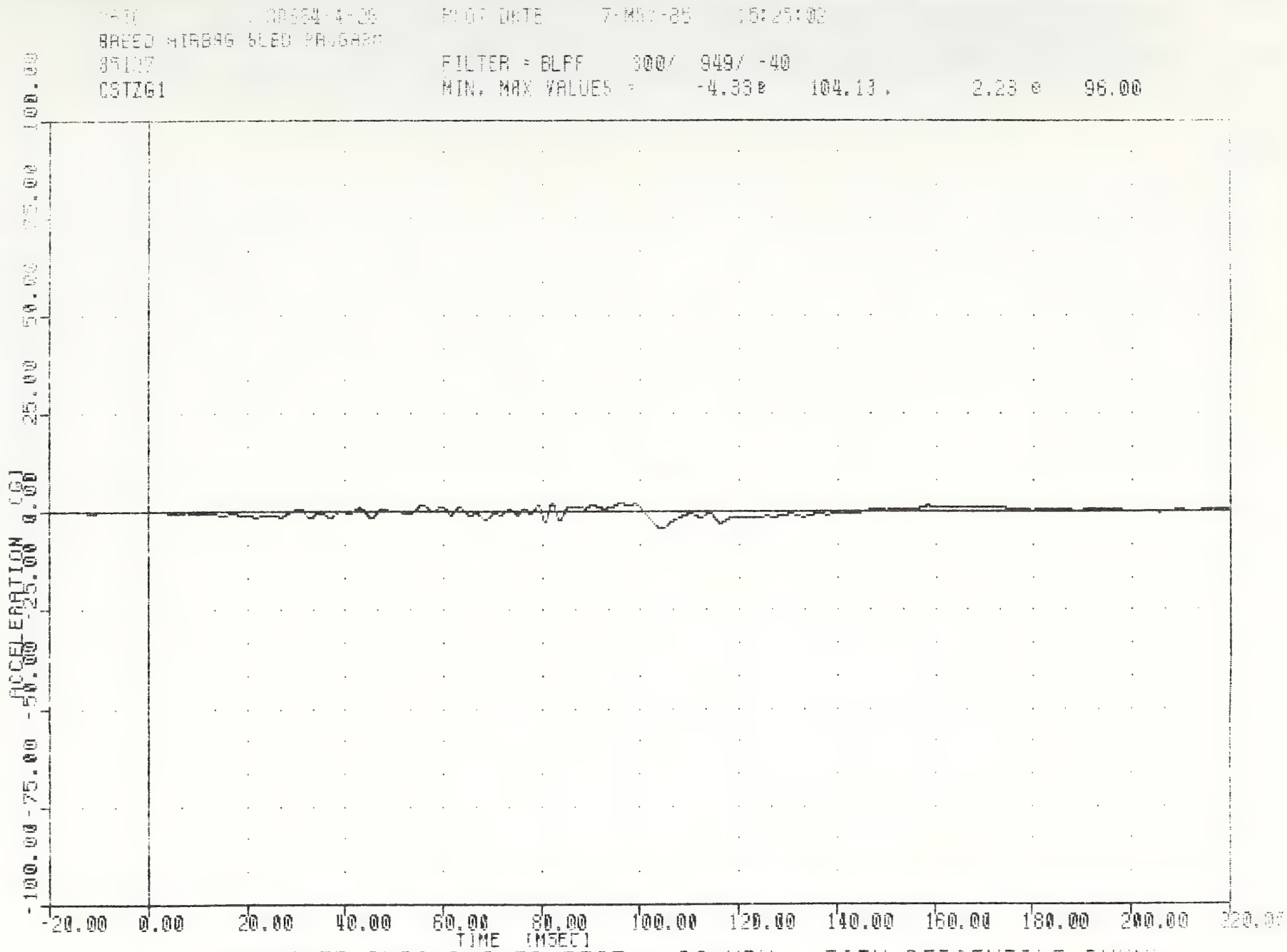


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

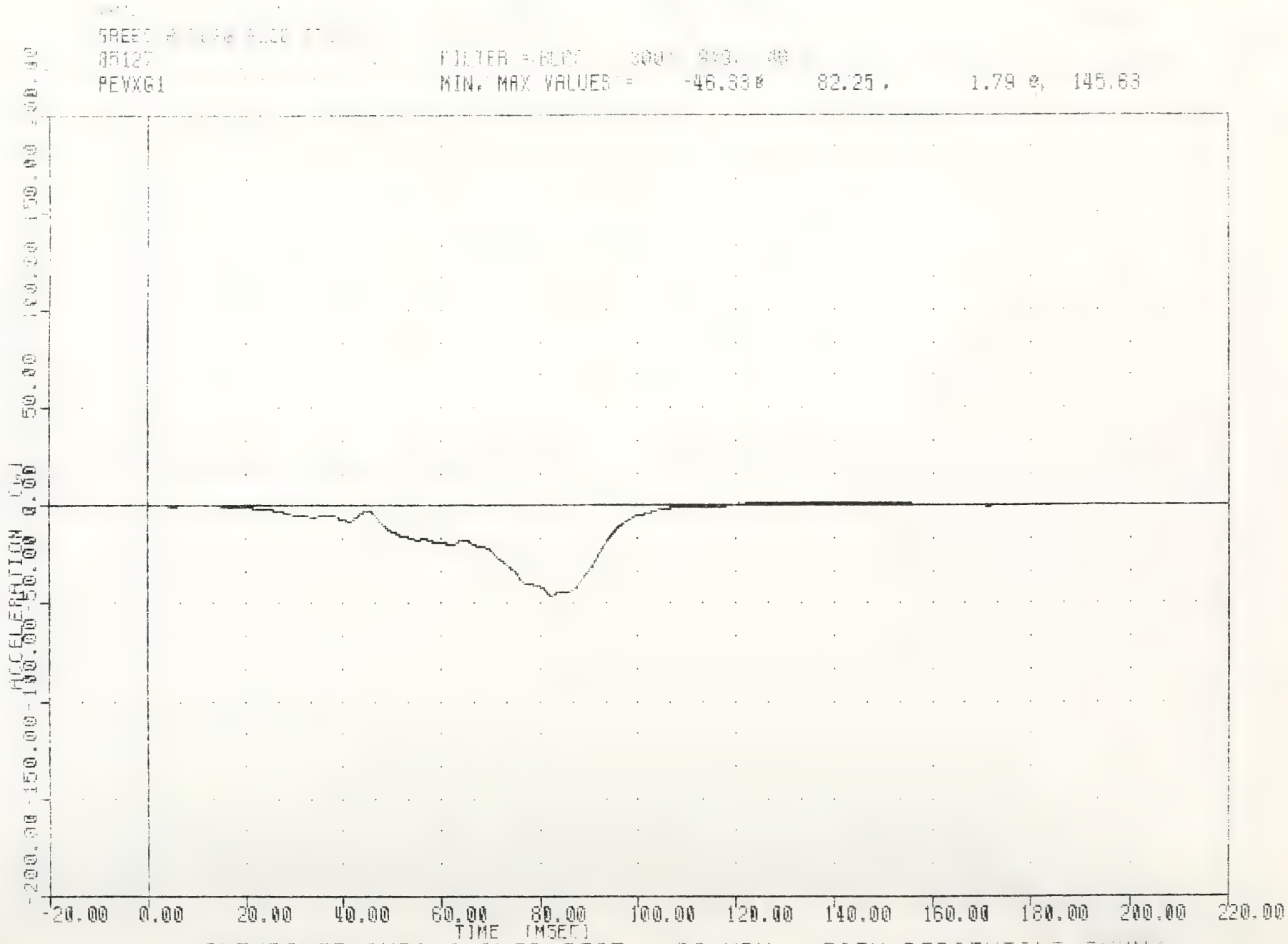


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

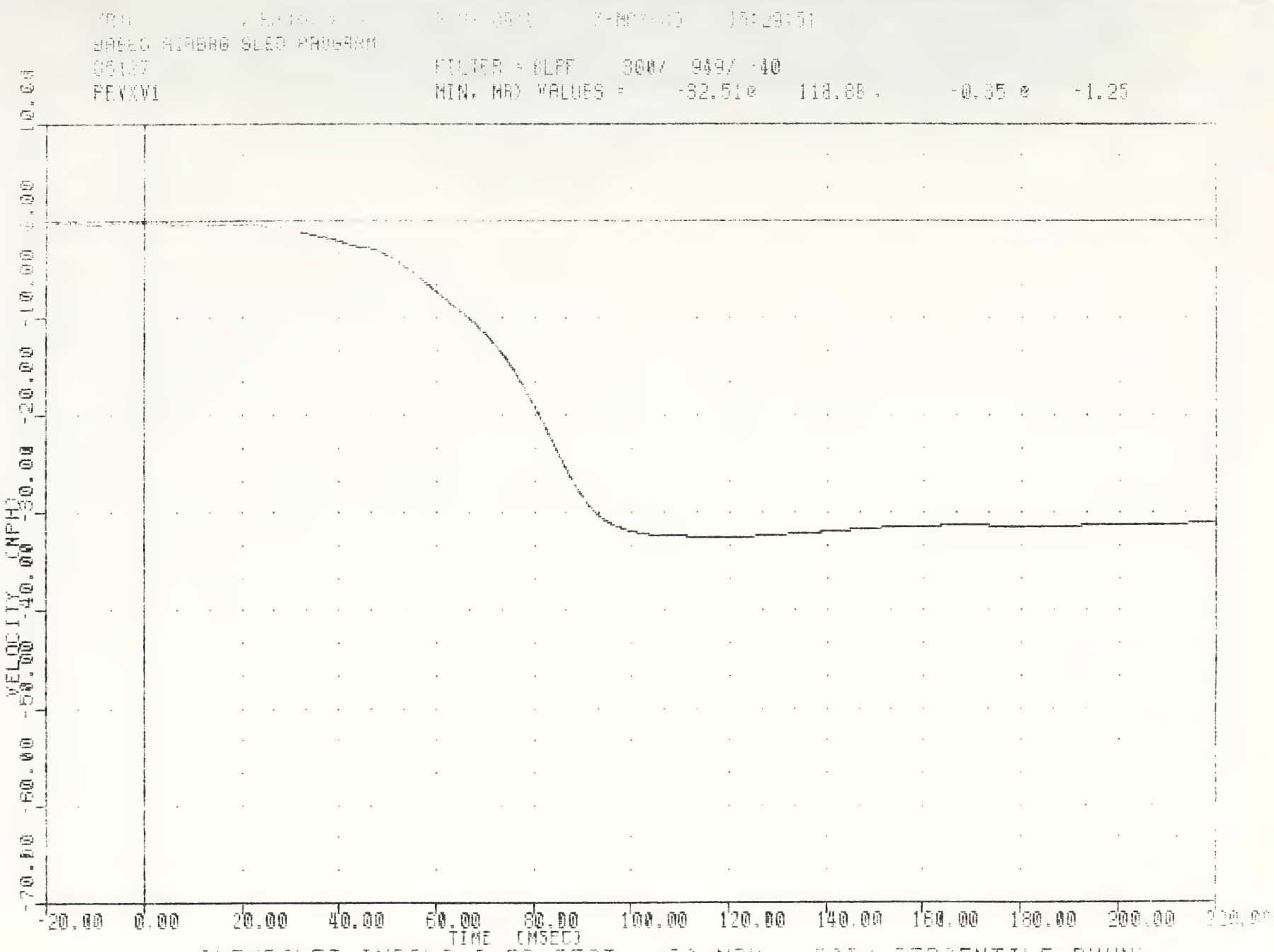
DRIVER CHEST ACCELERATION



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS



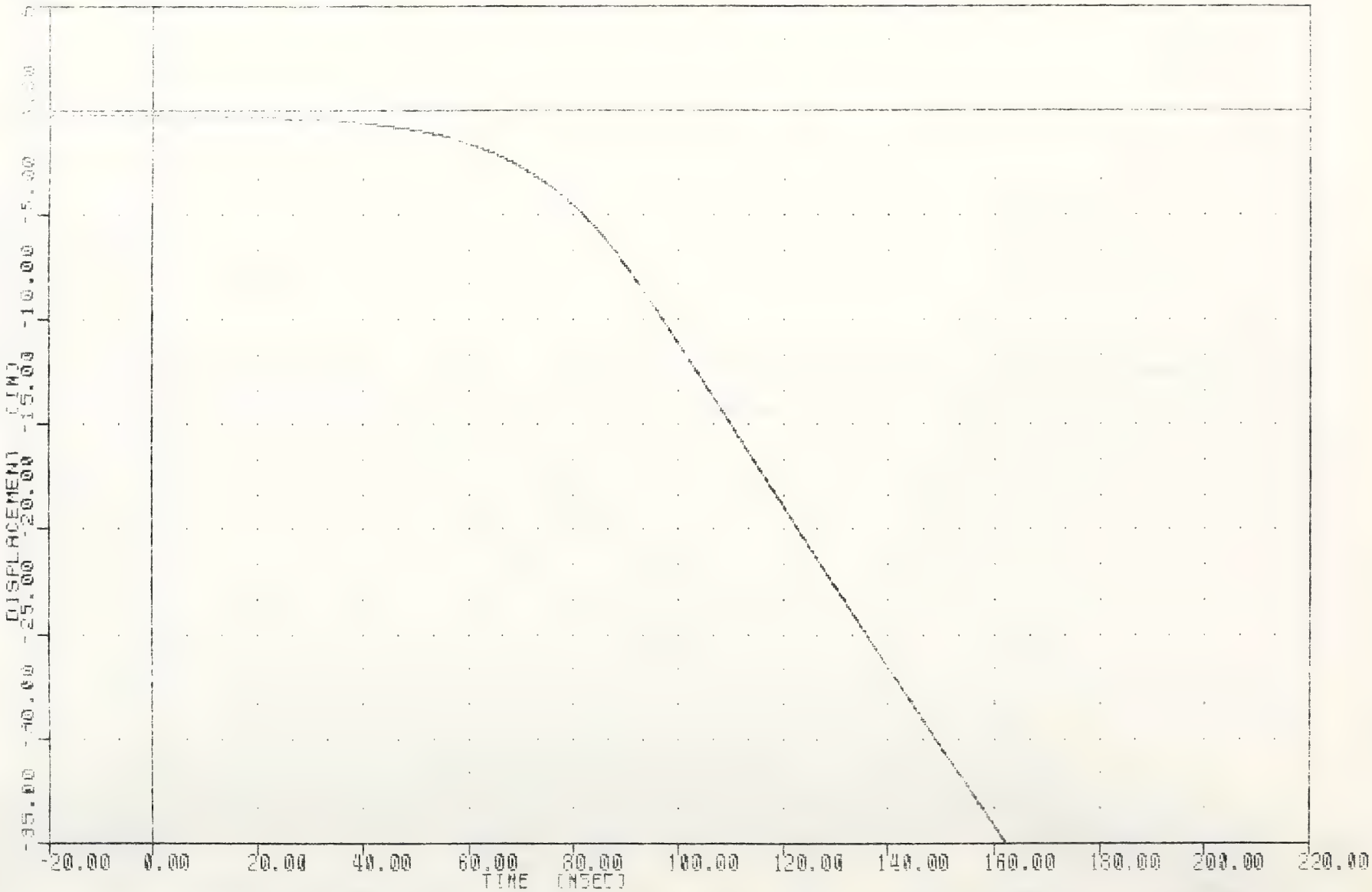
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY



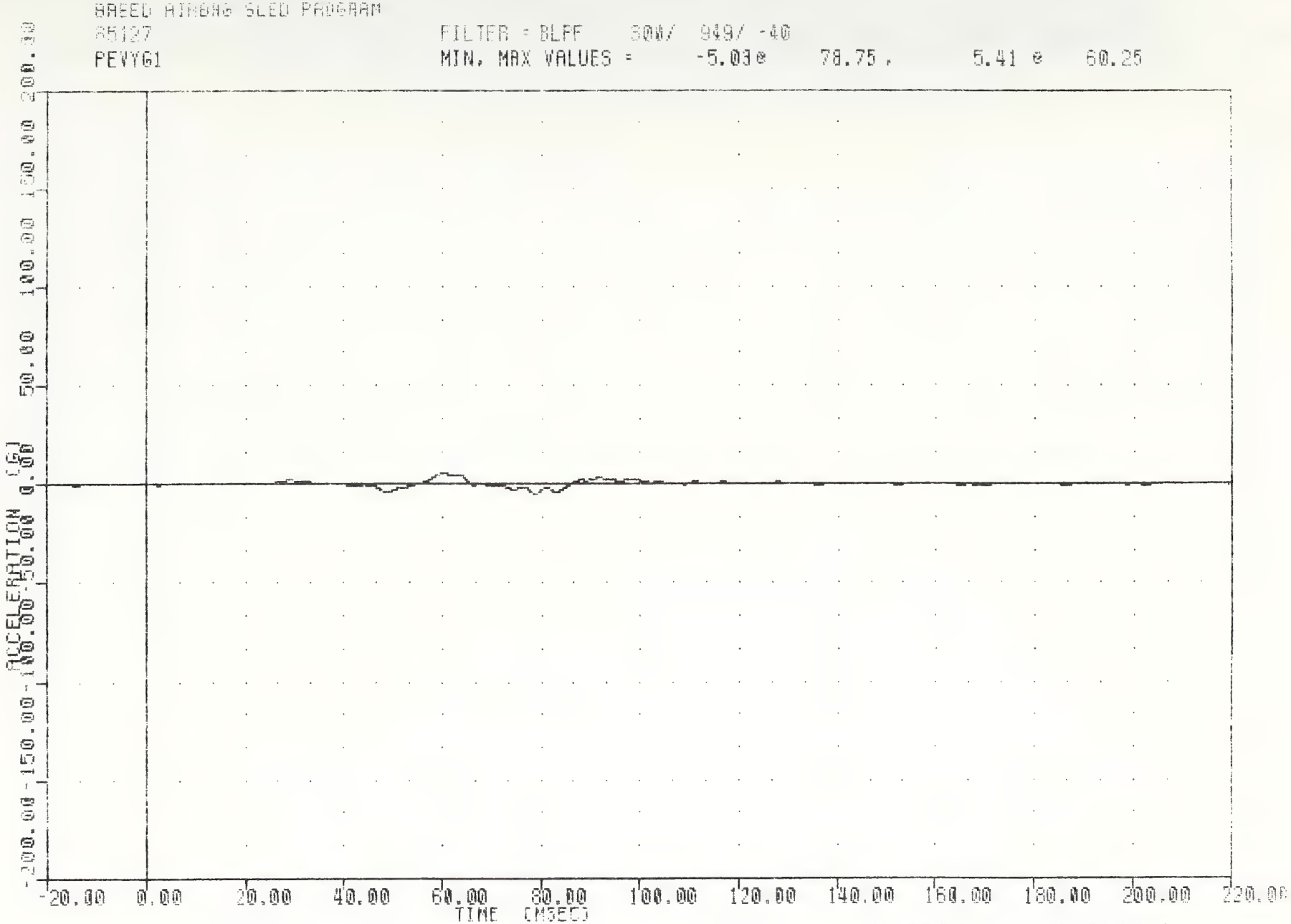
CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY

85127 FILTER = BLPF 300/ 949/ 40

PEVXD1 MIN. MAX VALUES = -56.70 @ 220.00 , -8.20 @ , -20.00

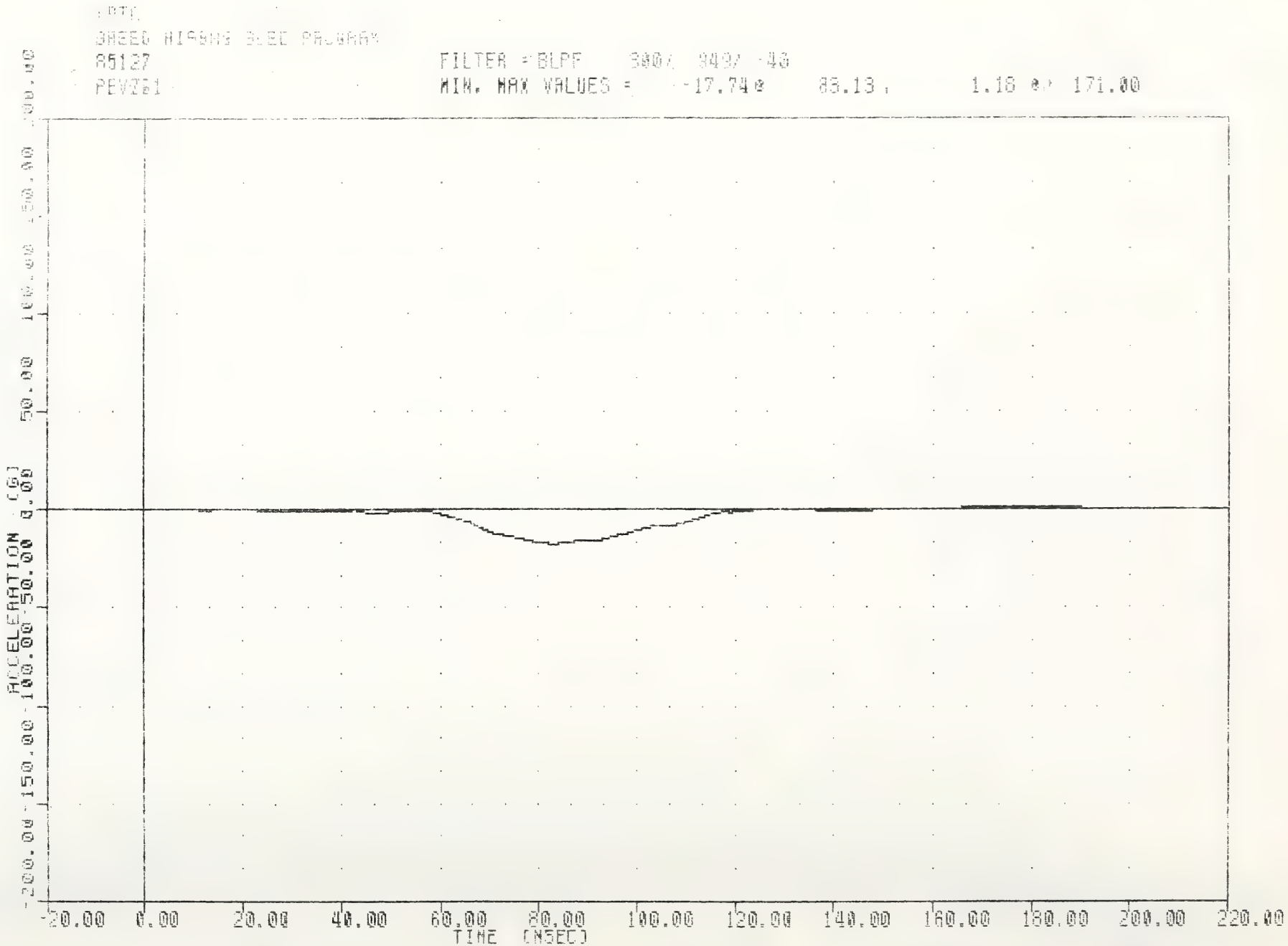


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

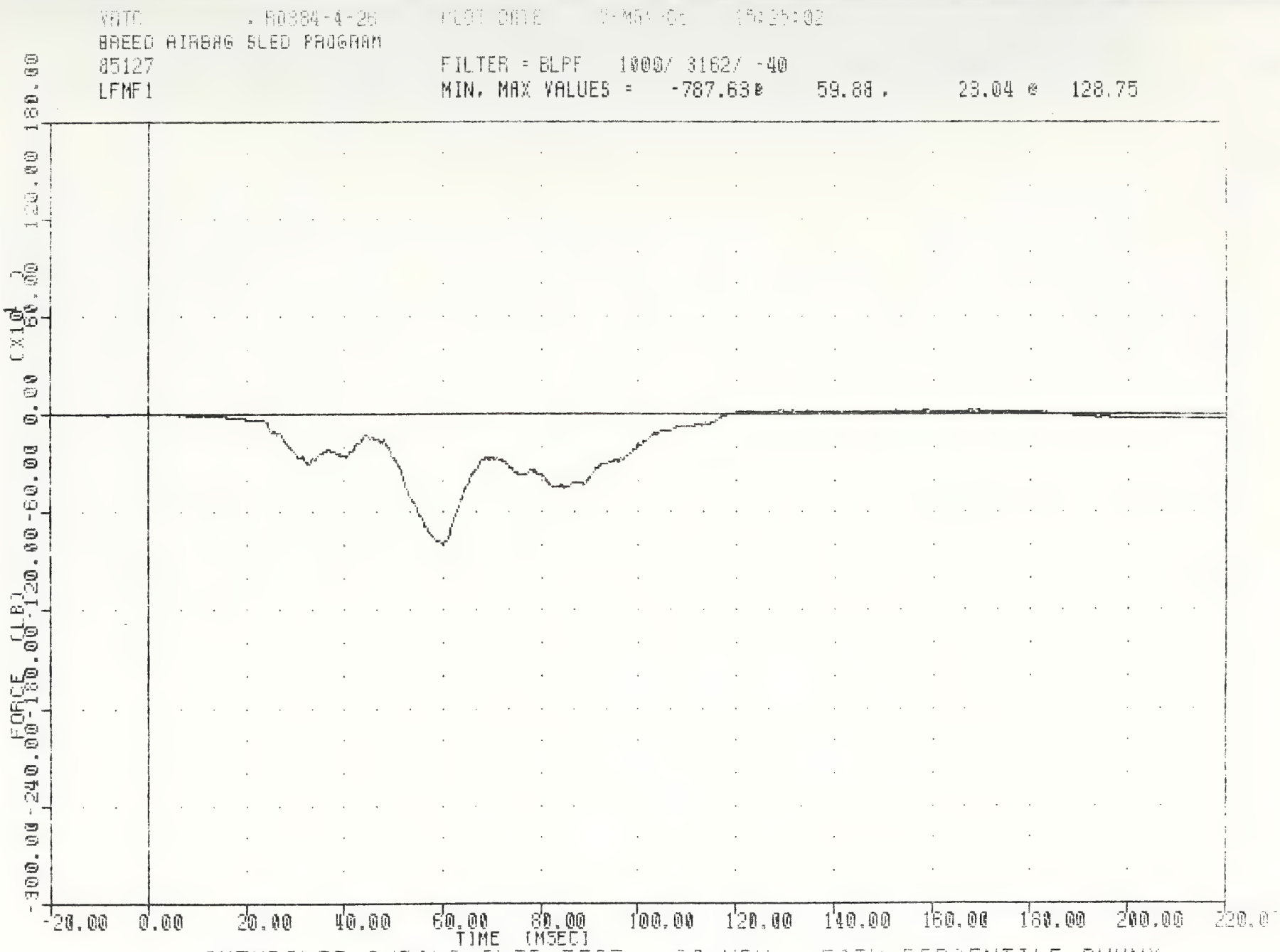


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

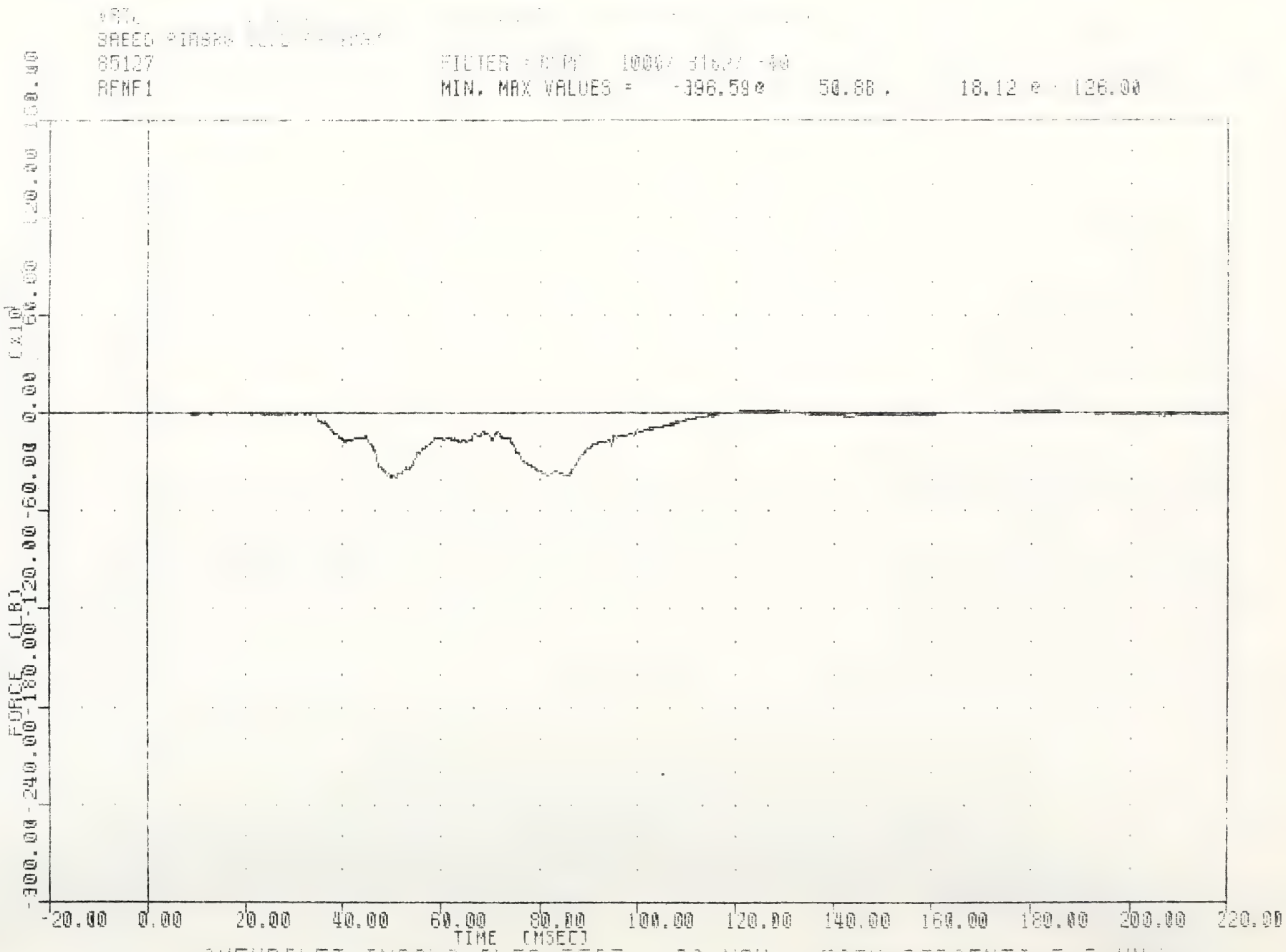
DRIVER PELVIS ACCELERATION - X AXIS



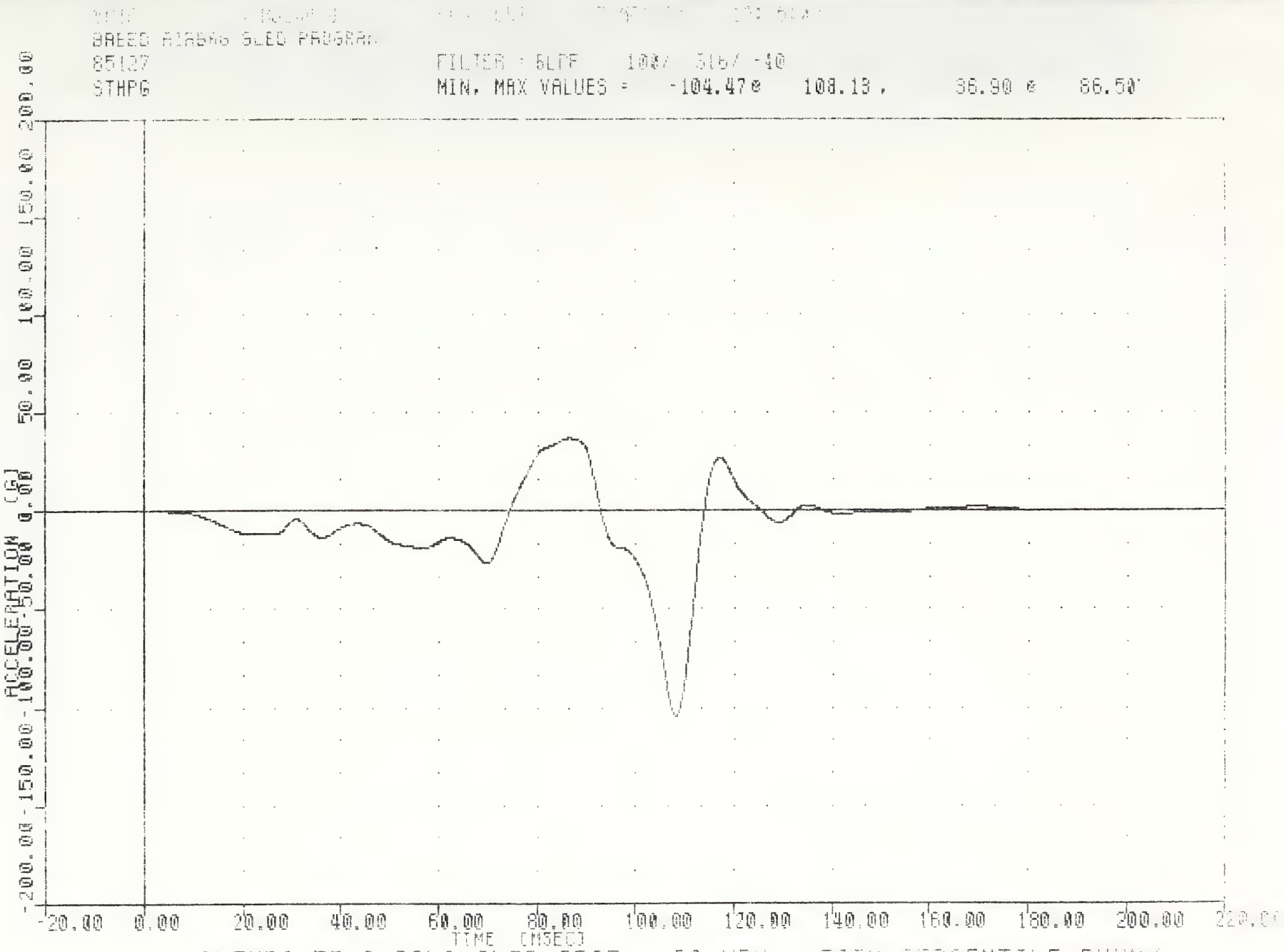
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

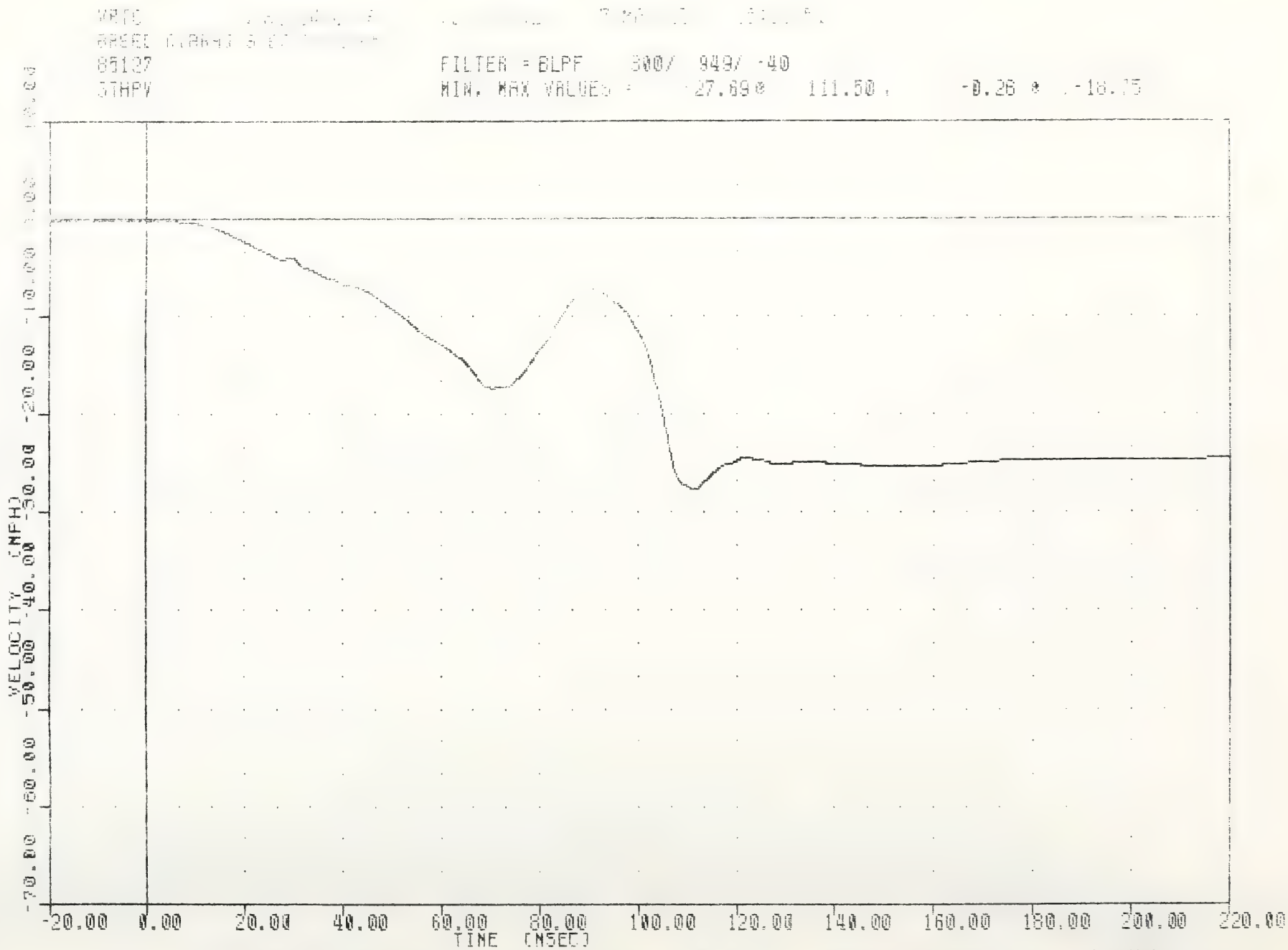


CHEVROLET IMPALA SLED TEST - 30 MPH -

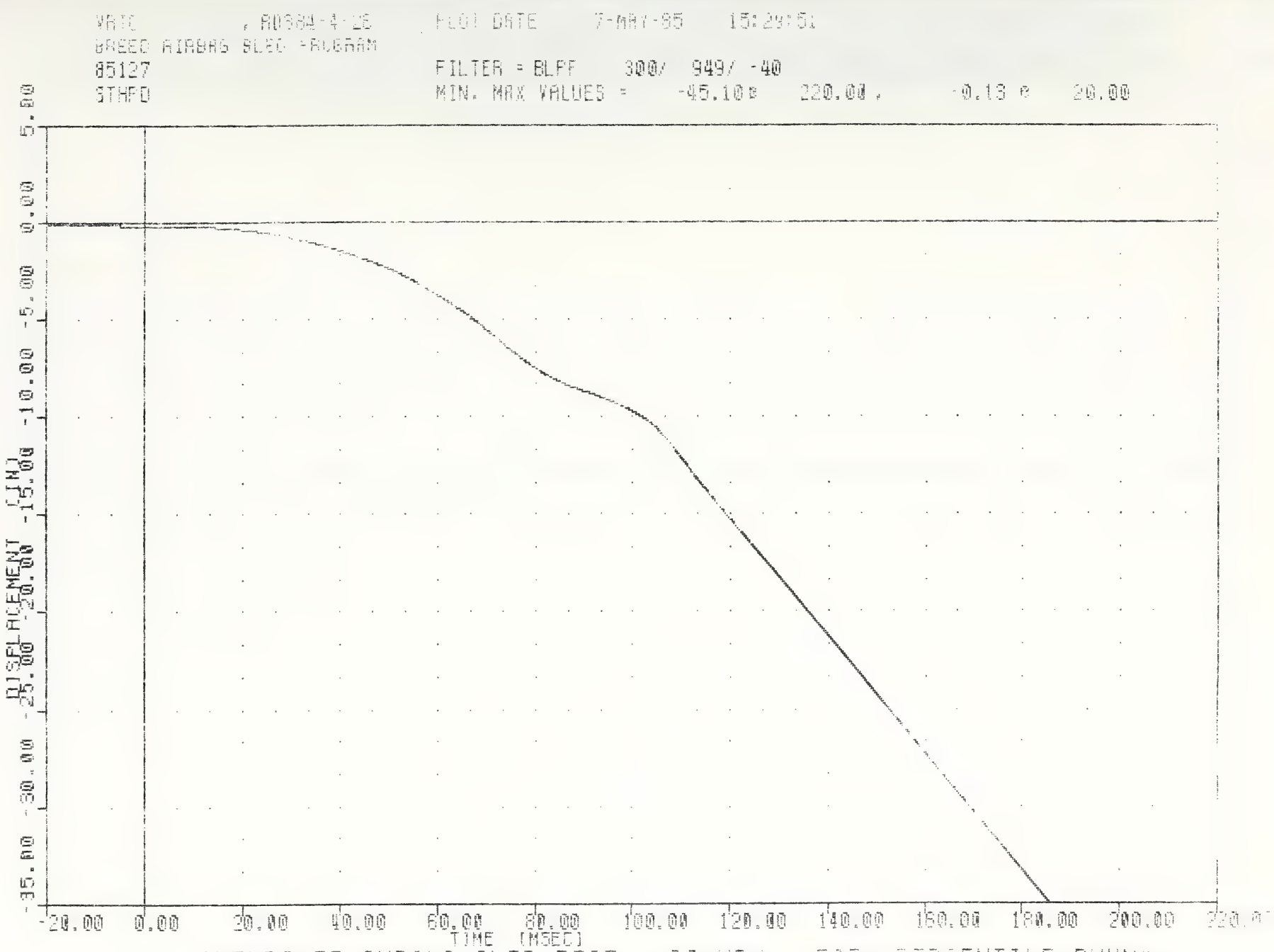


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

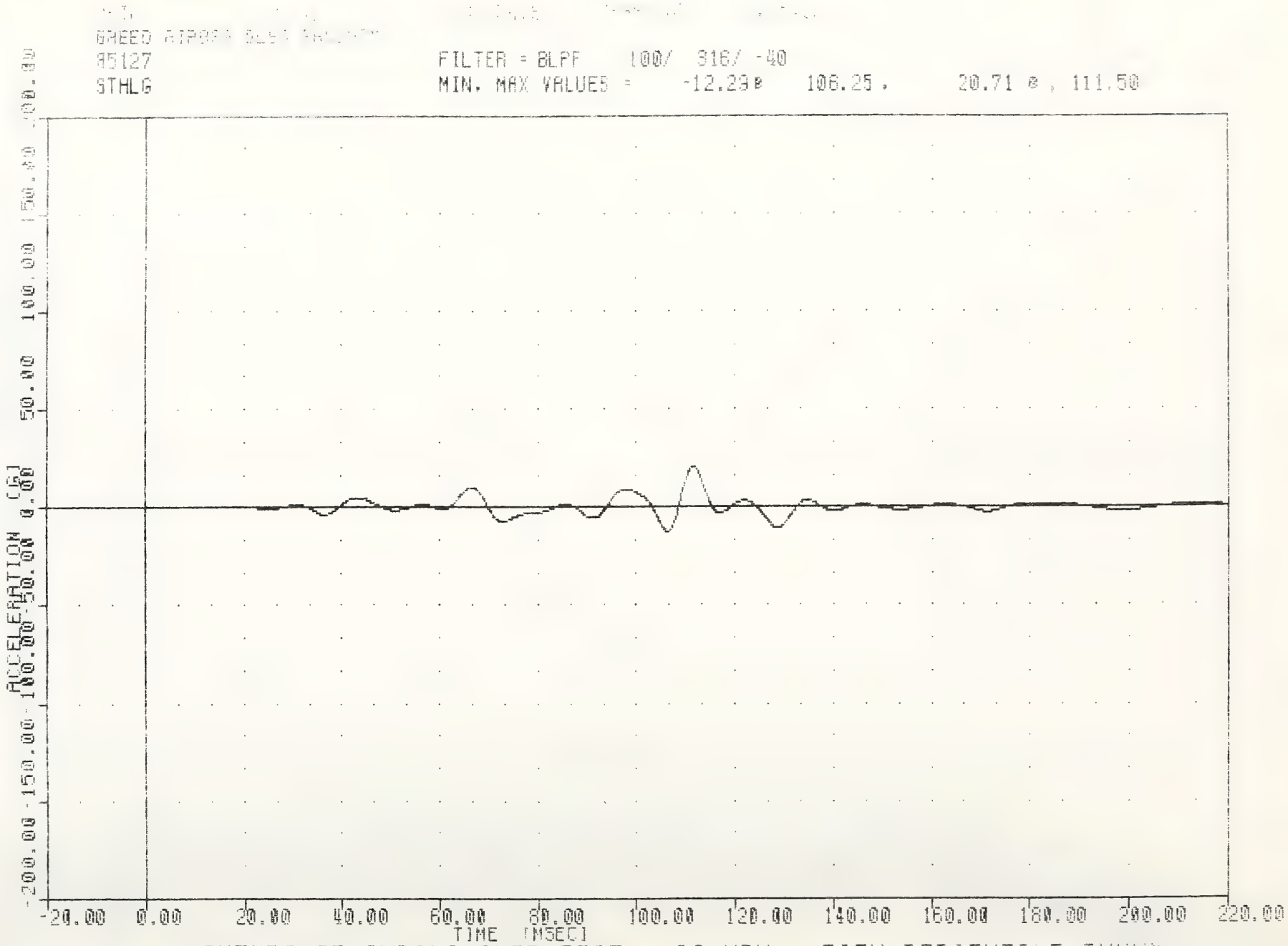
STERNUM DUMMY HUB ACCELERATION - G'S



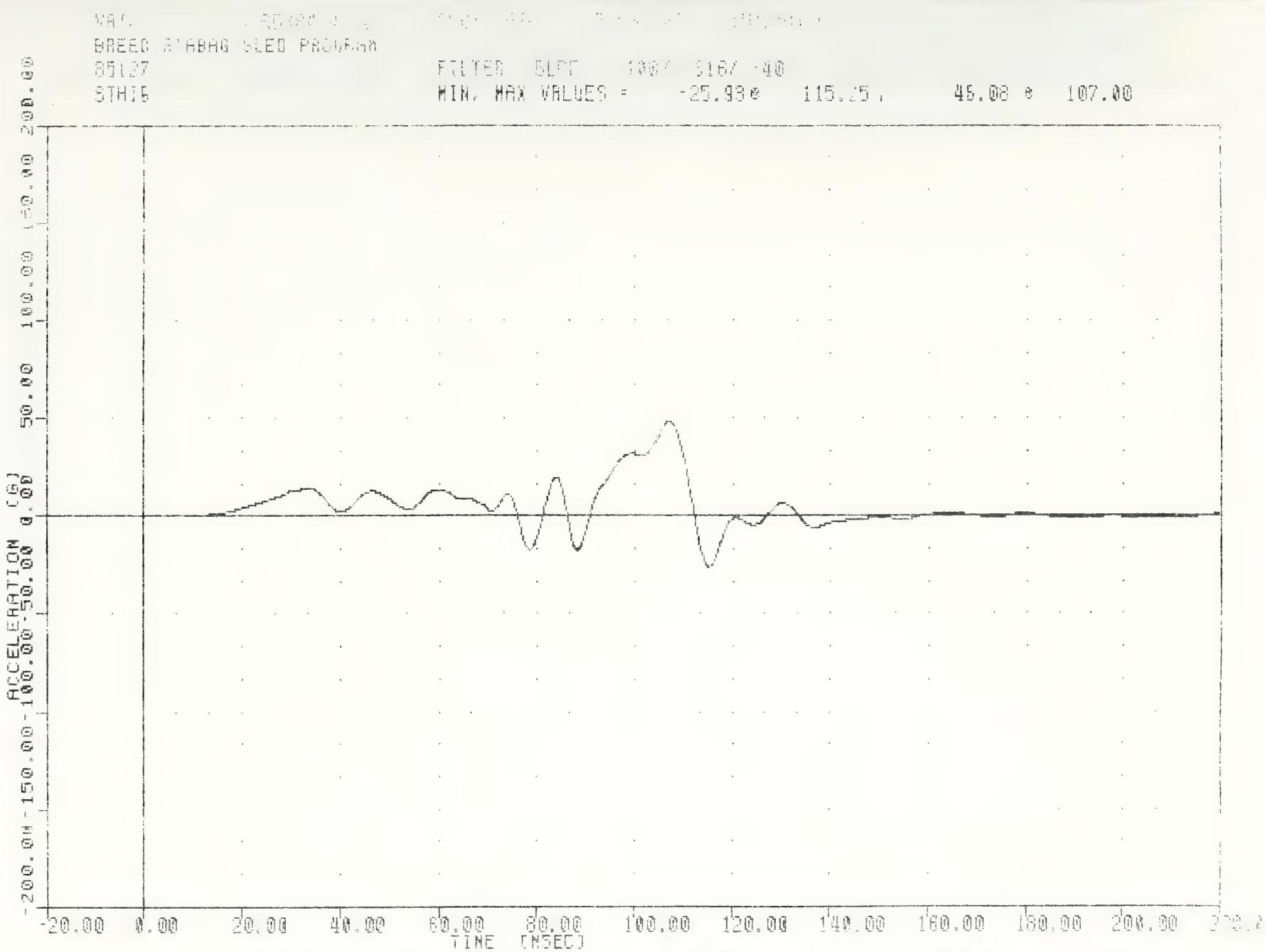
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

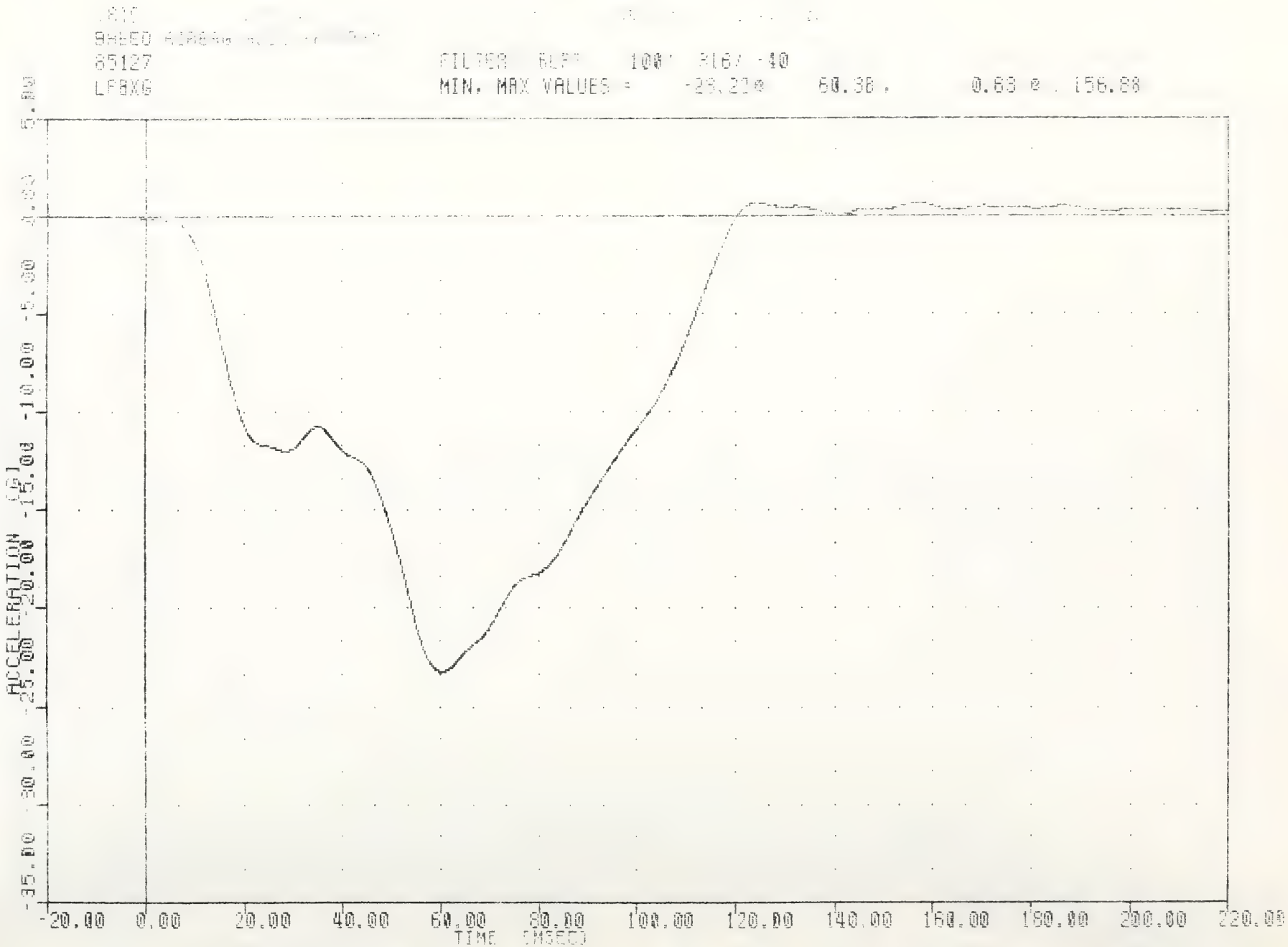


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

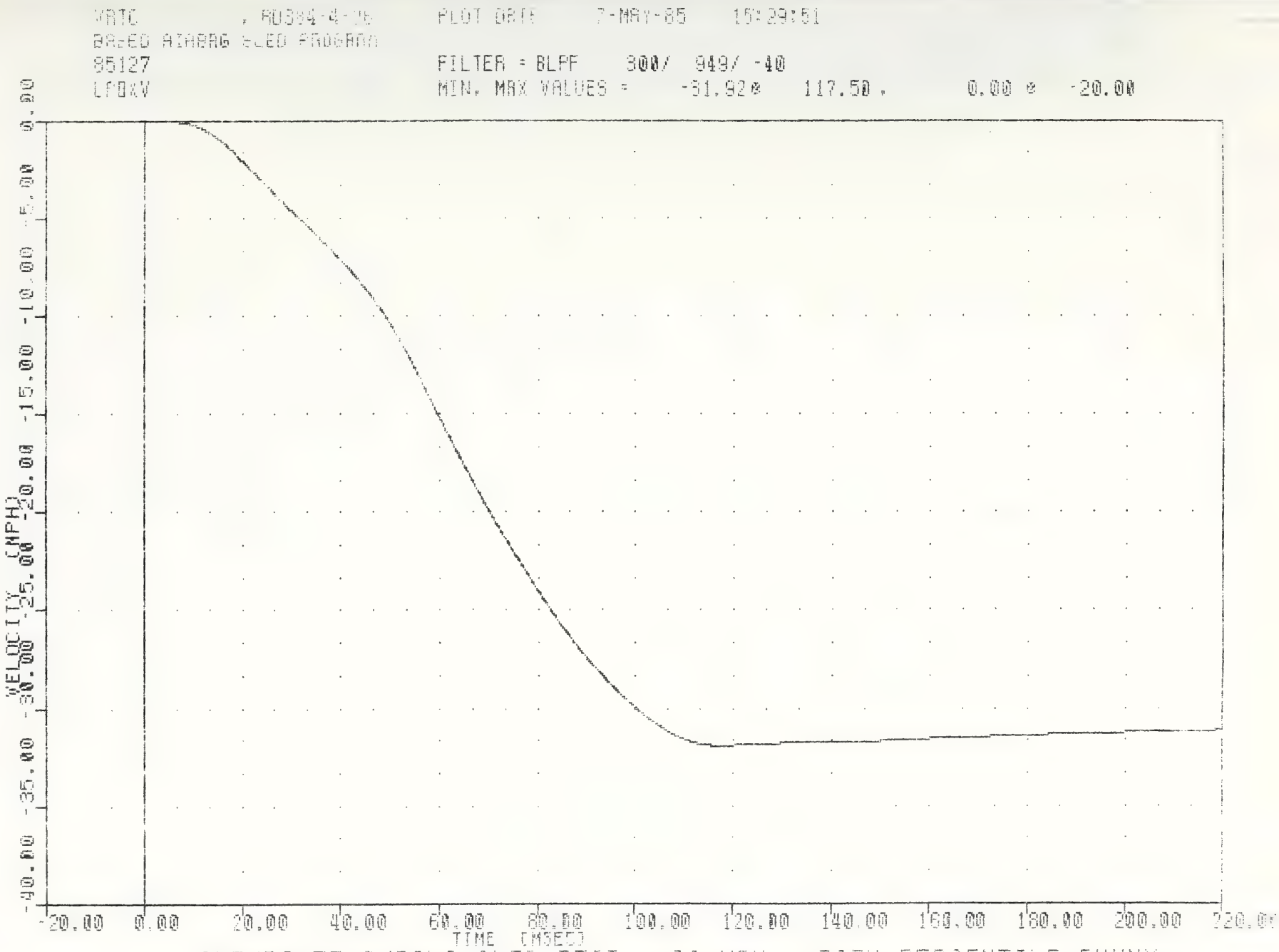


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

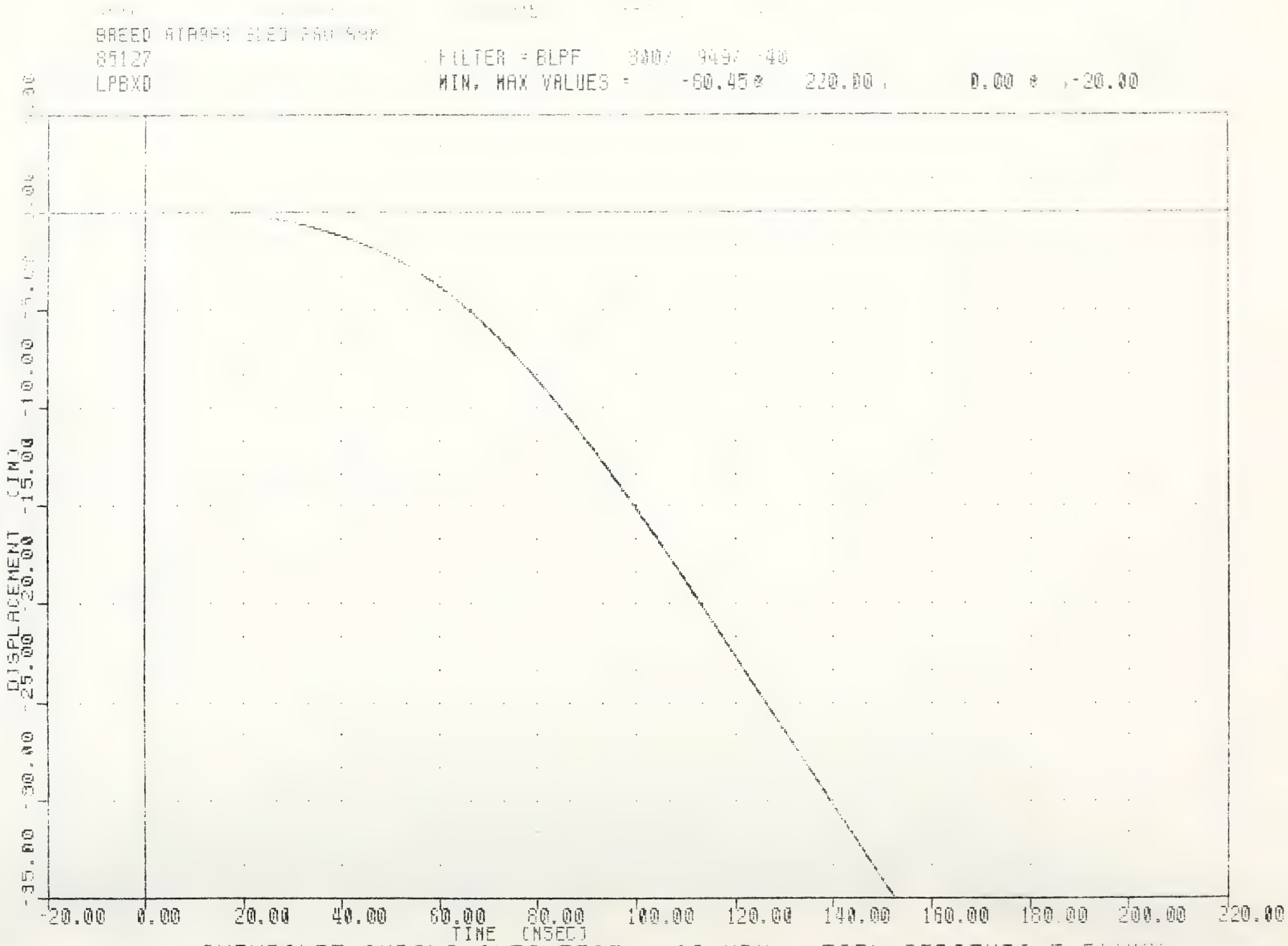

BREED AIRBAG SLED PROGRAM
85127
STHIG
FILTER SLOT
MIN. MAX VALUES = -25.93@ 115.25, 45.08 @ 107.00
ACCELERATION [G]
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME [MSEC]



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

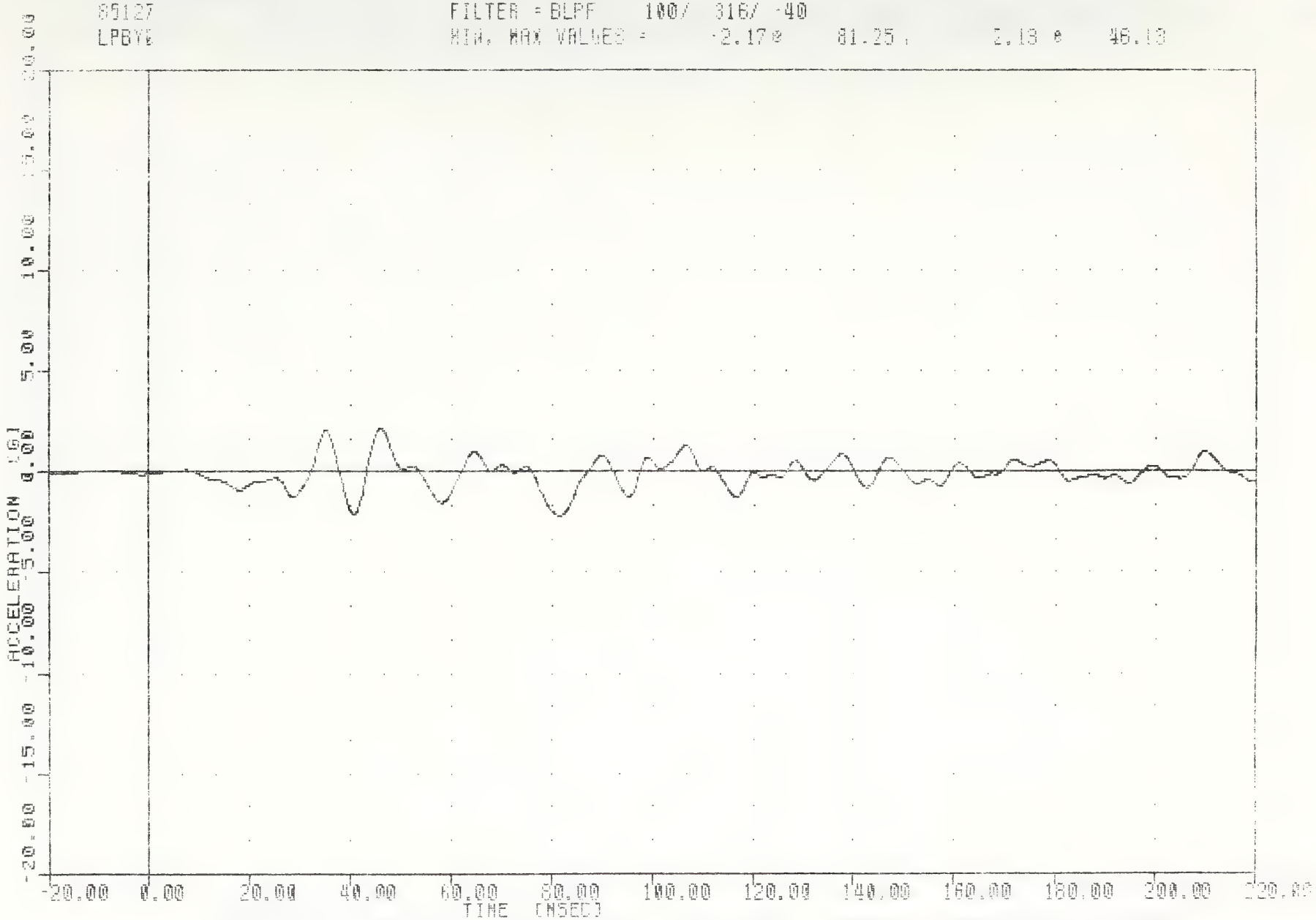


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
(DELTA V USING LFBX)

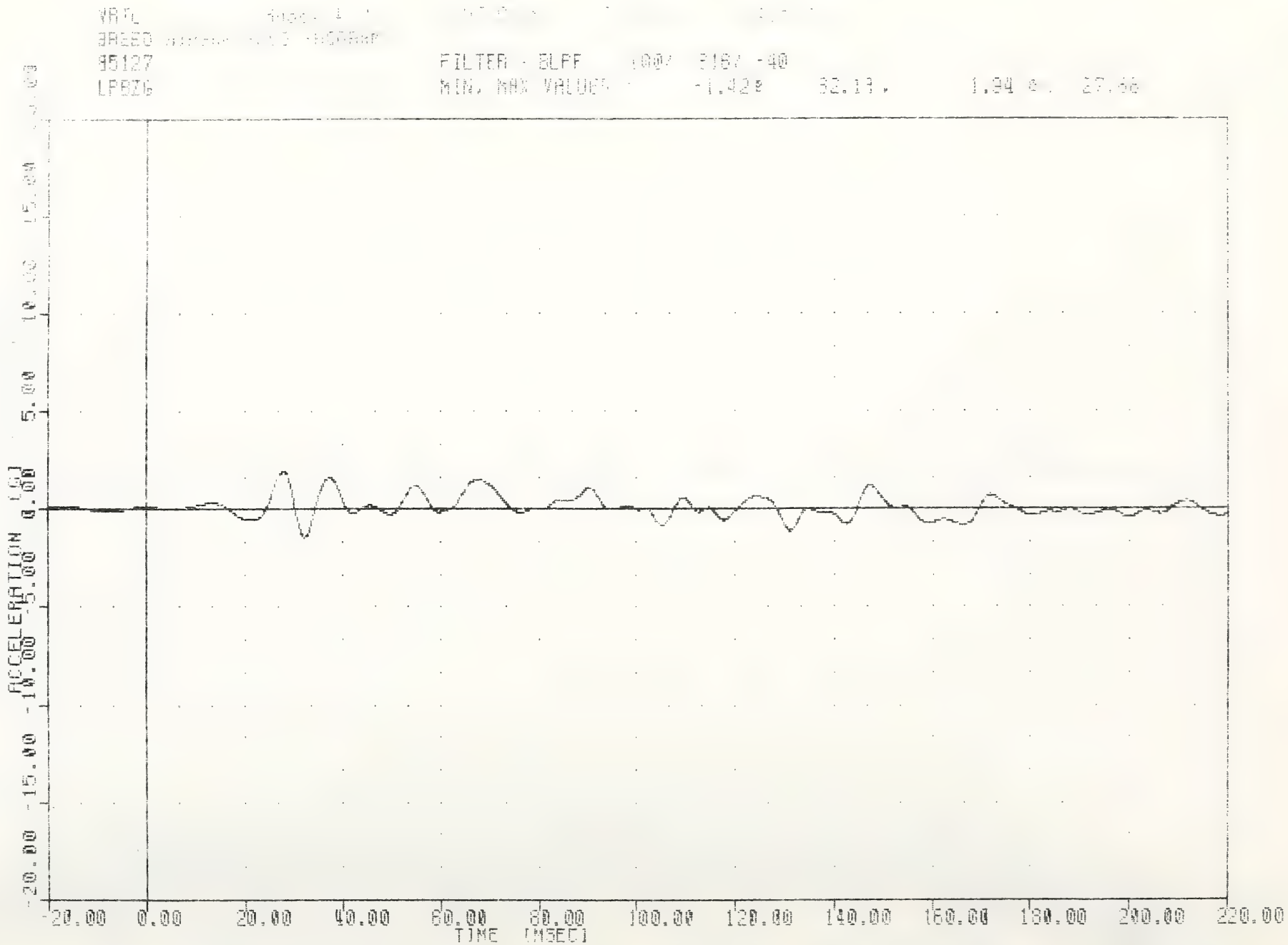


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

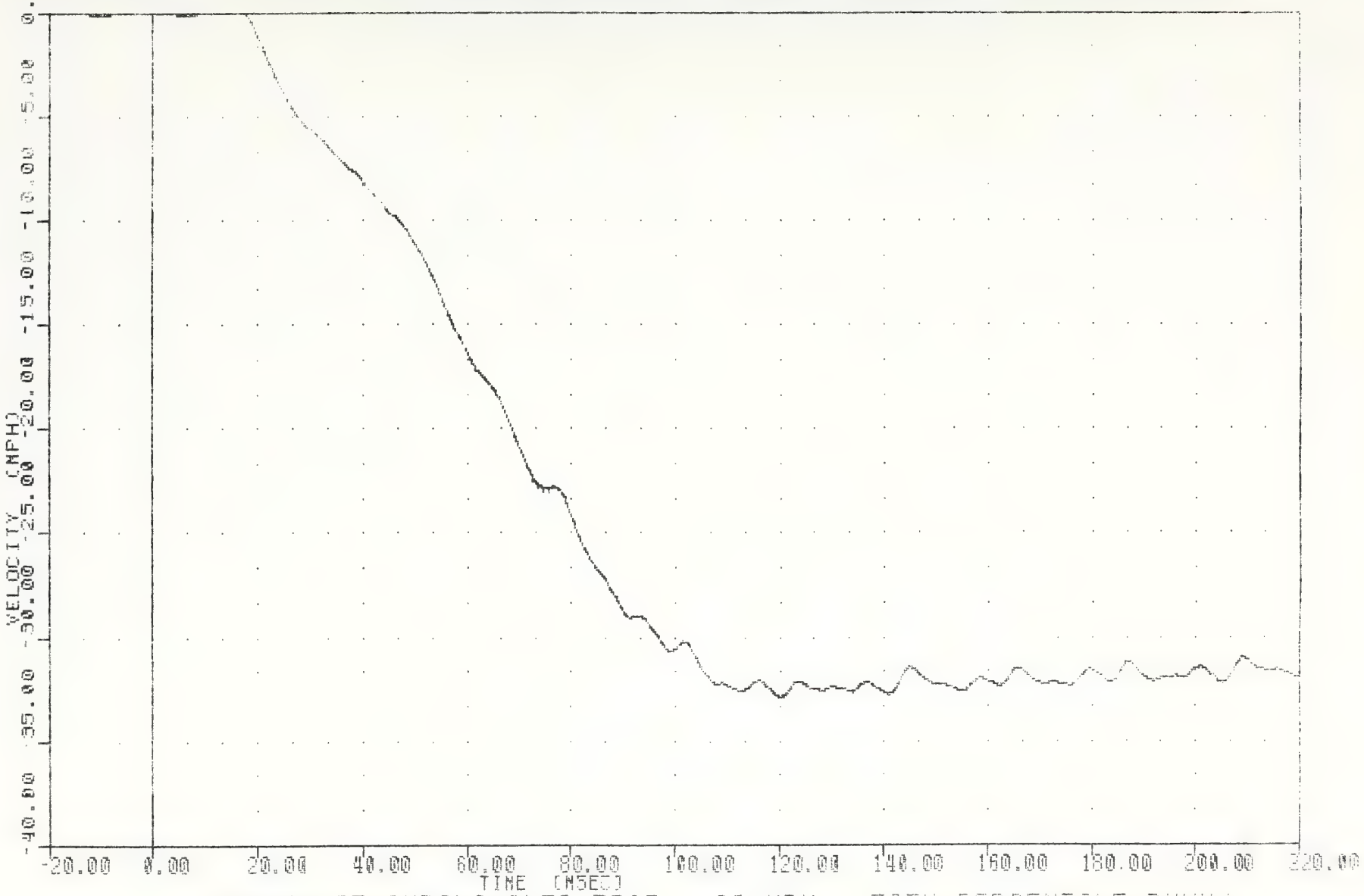
DELTA V 35MPH LPBXD



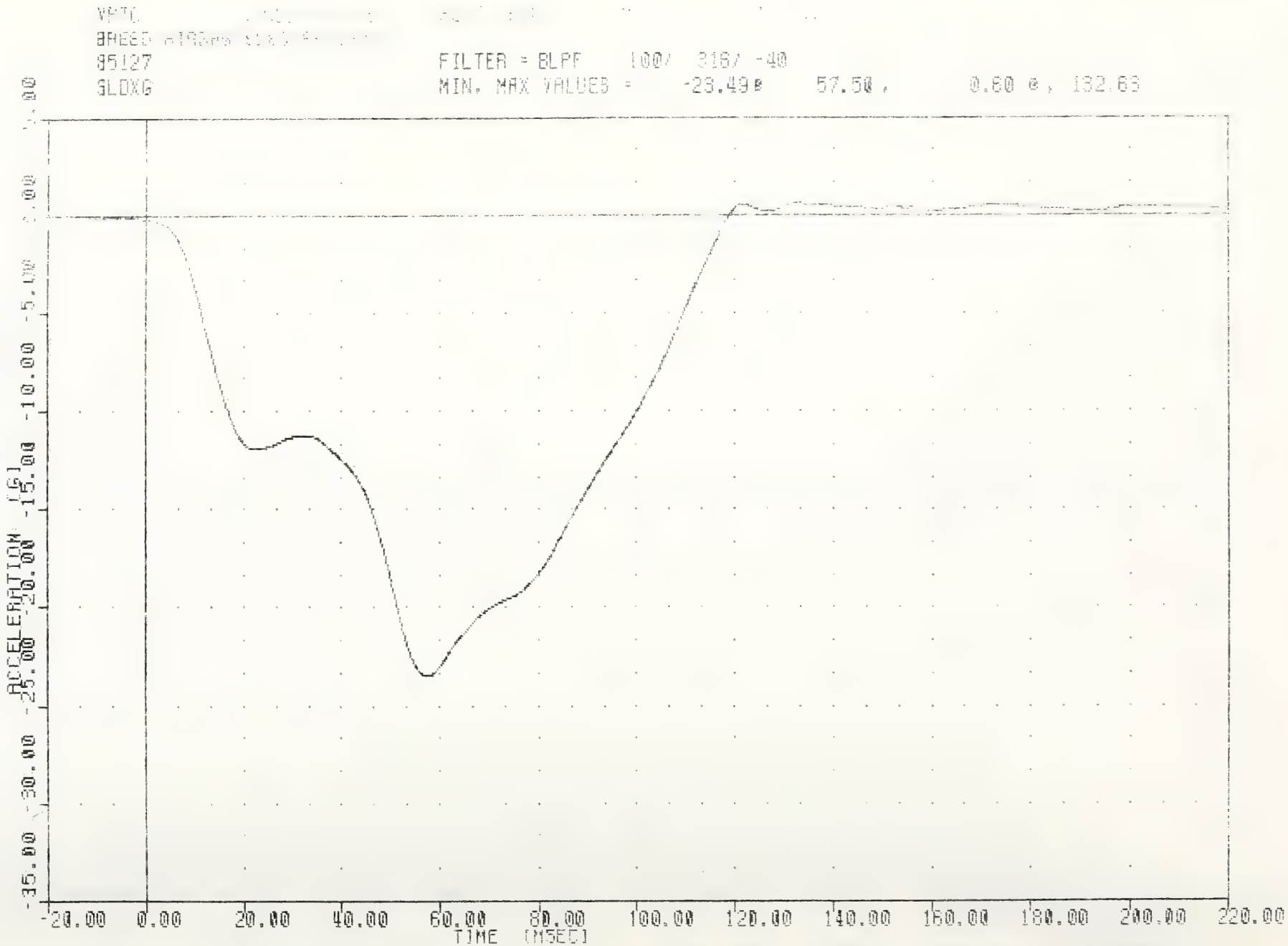
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
FILTER - BET & ACCELERATION - [G]

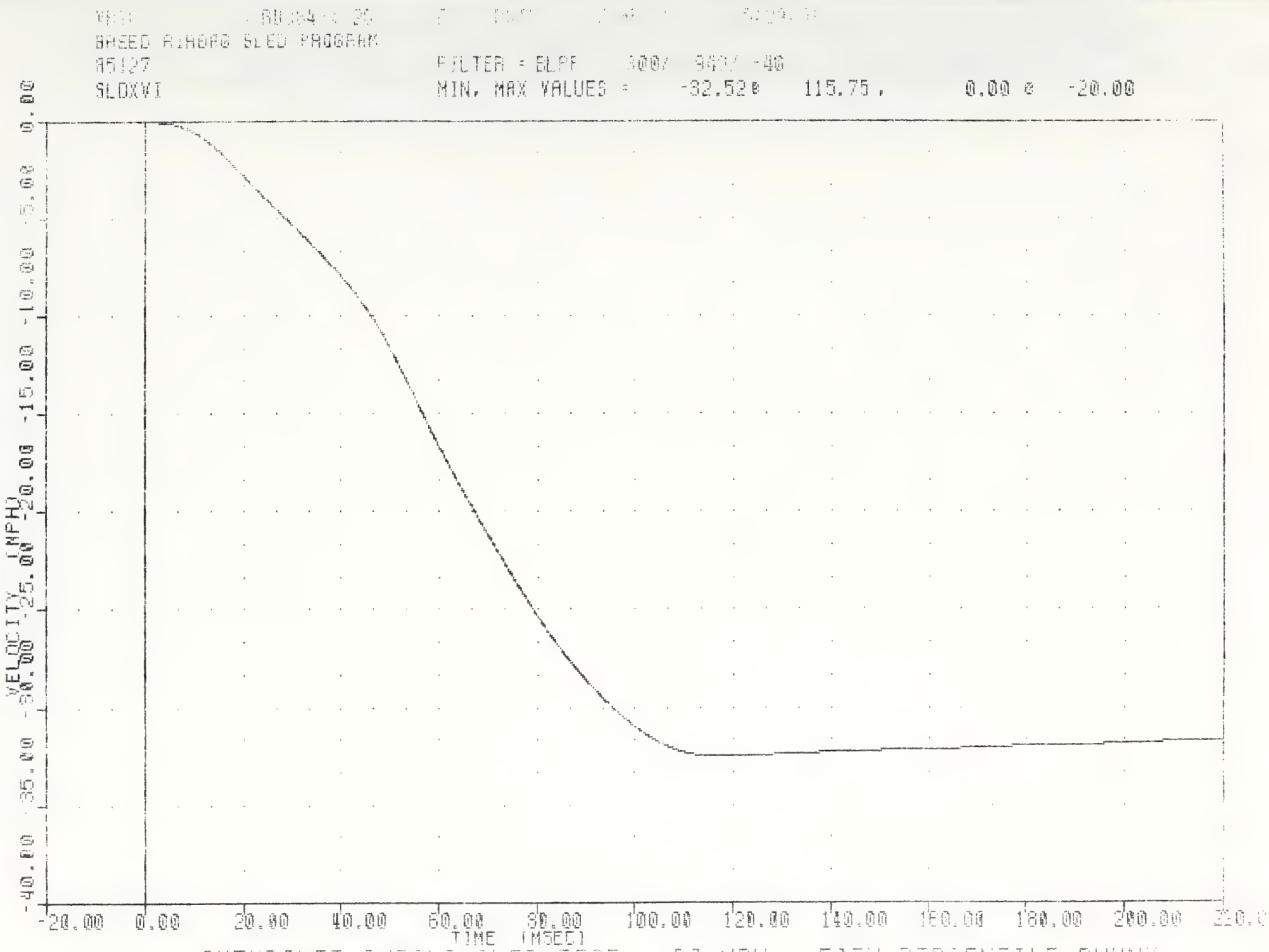

FILTER - BLPF
MIN, MAX VALUES
ACCELERATION [G]
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

VATC , RD384-4-26 PLOT DATE 7-MAY-85 15:26:02
BREED AIRBAG SLED PROGRAM
85127 FILTER = ALPF 100/ 316/ -40
SLDXV MIN, MAX VALUES = -32.90@ 119.88, 0.19@ -0.25

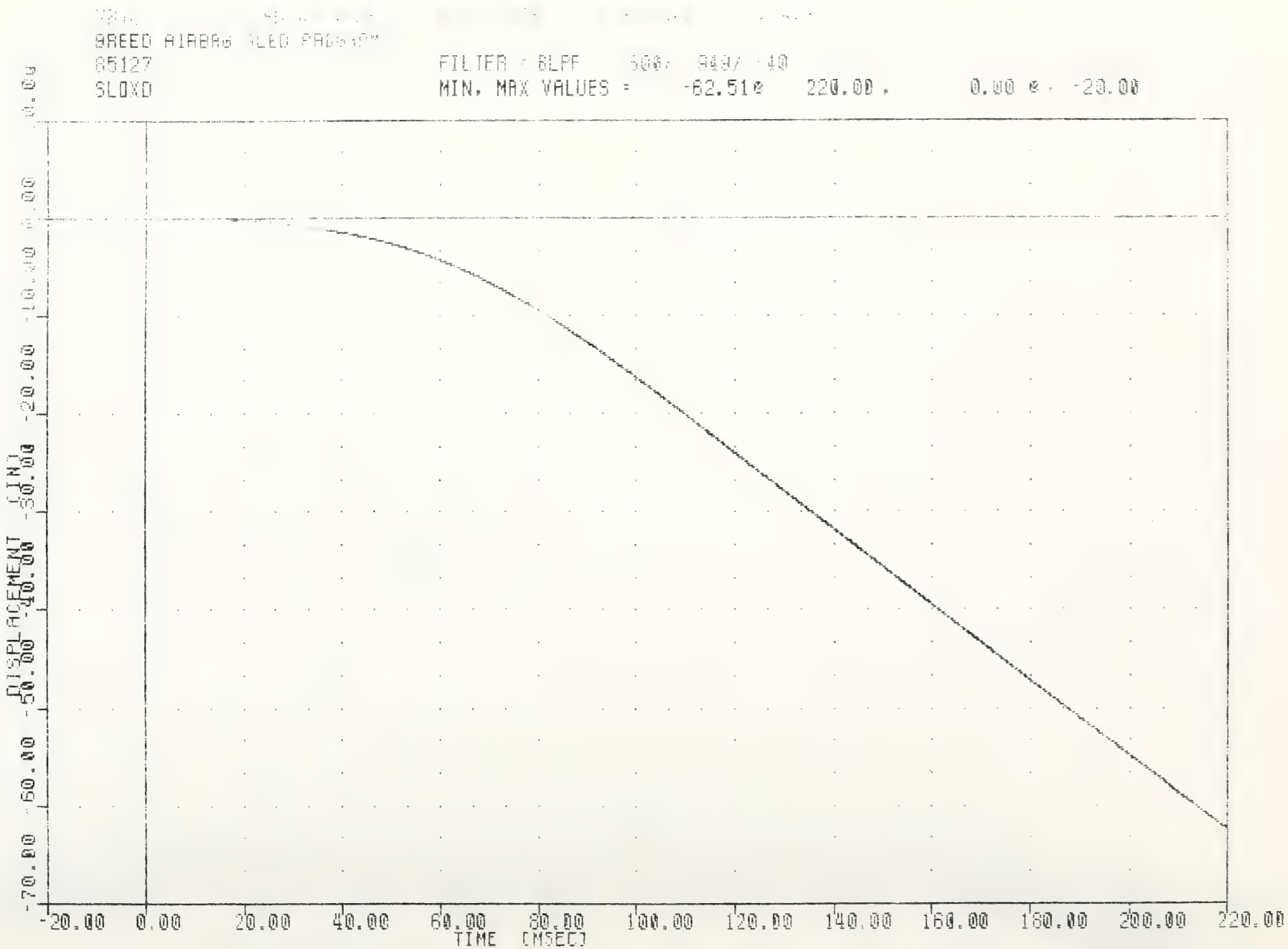


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (MPH)

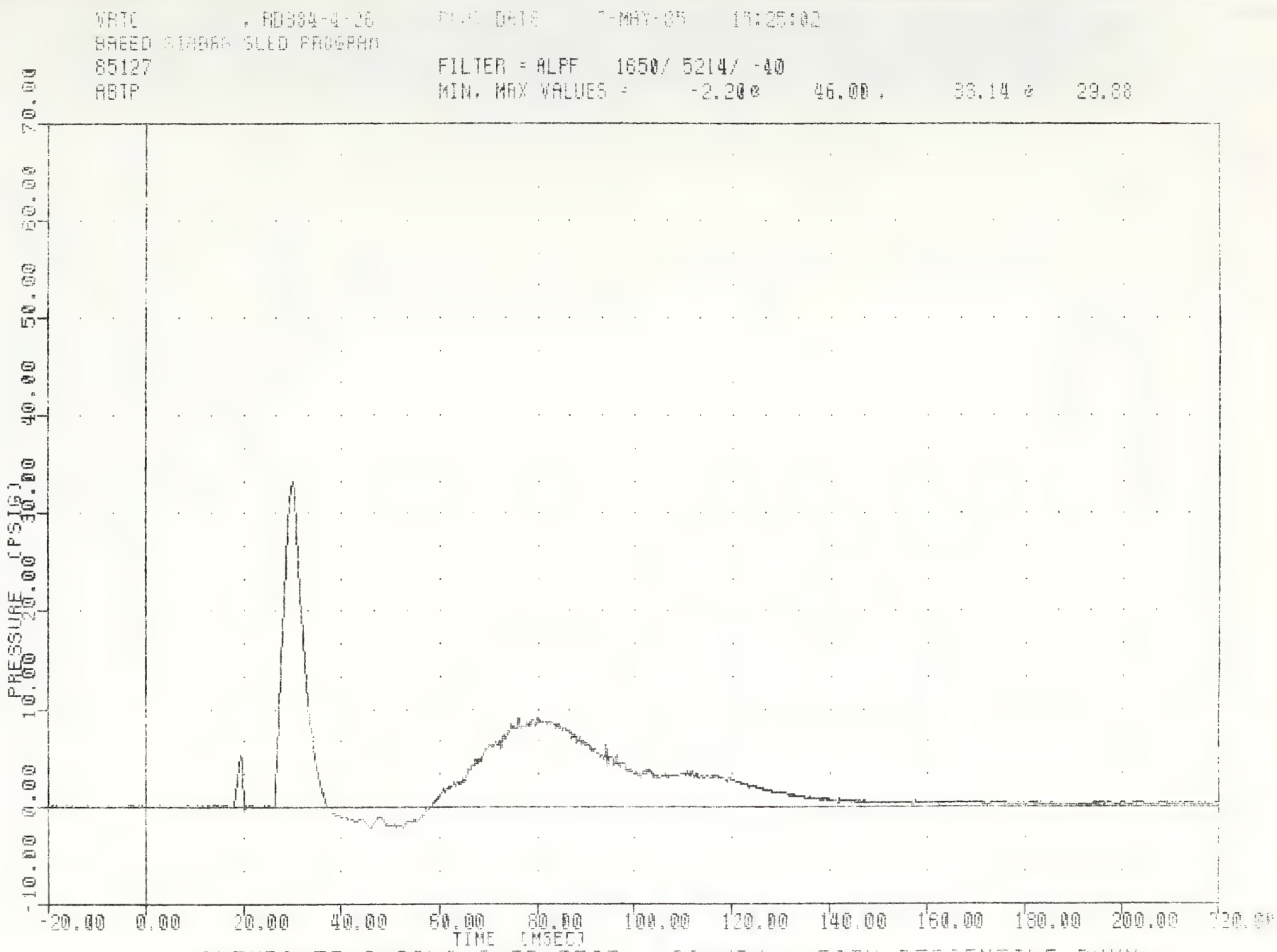

85127
GLOXG
FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -23.49@ 57.50 , 0.80 @ , 132.63
ACCELERATION [G]
TIME [MSEC]
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



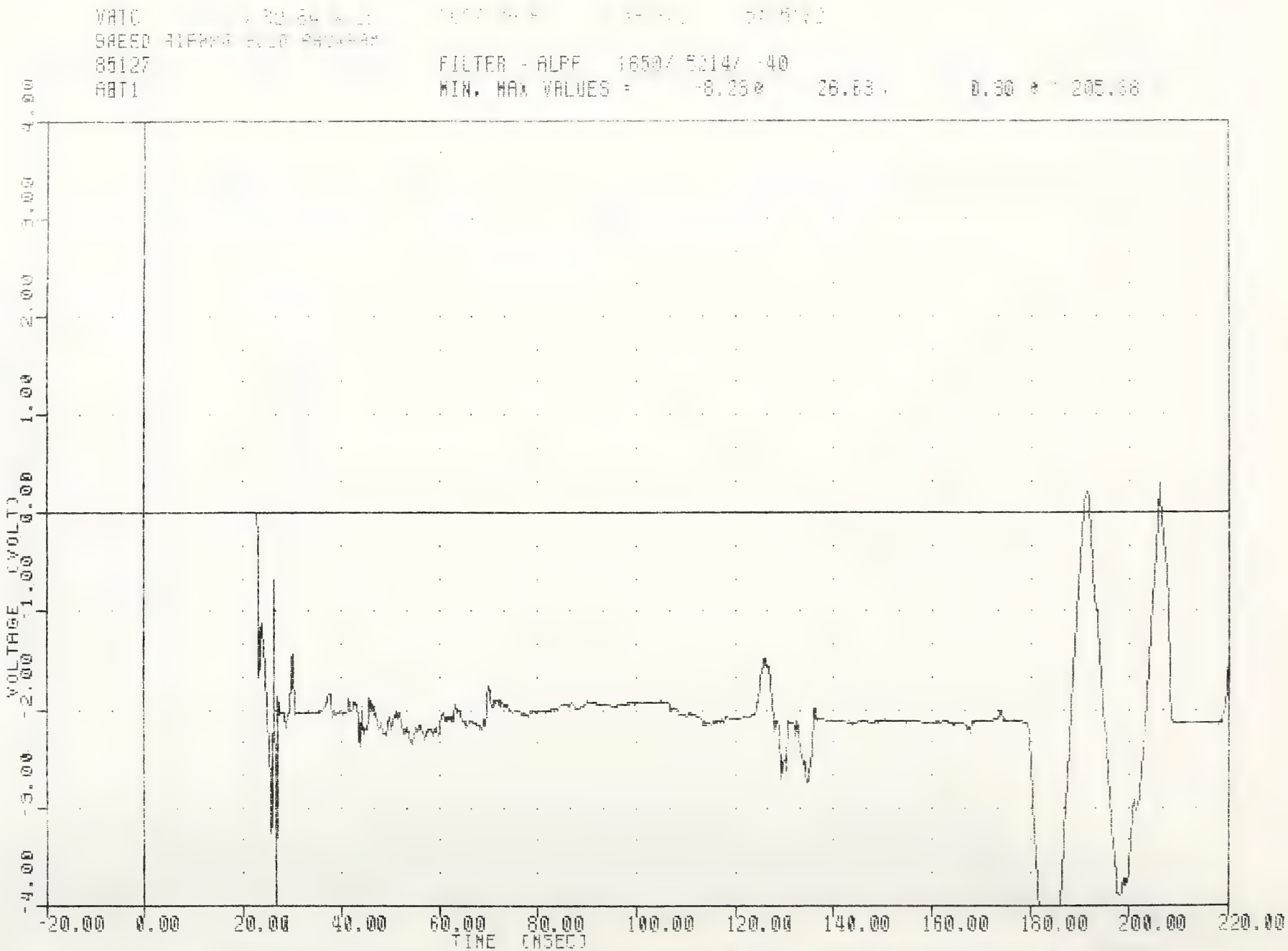
CHEVROLET IMPALA SLED TEST 50 MPH - 50TH PERCENTILE DUMMY



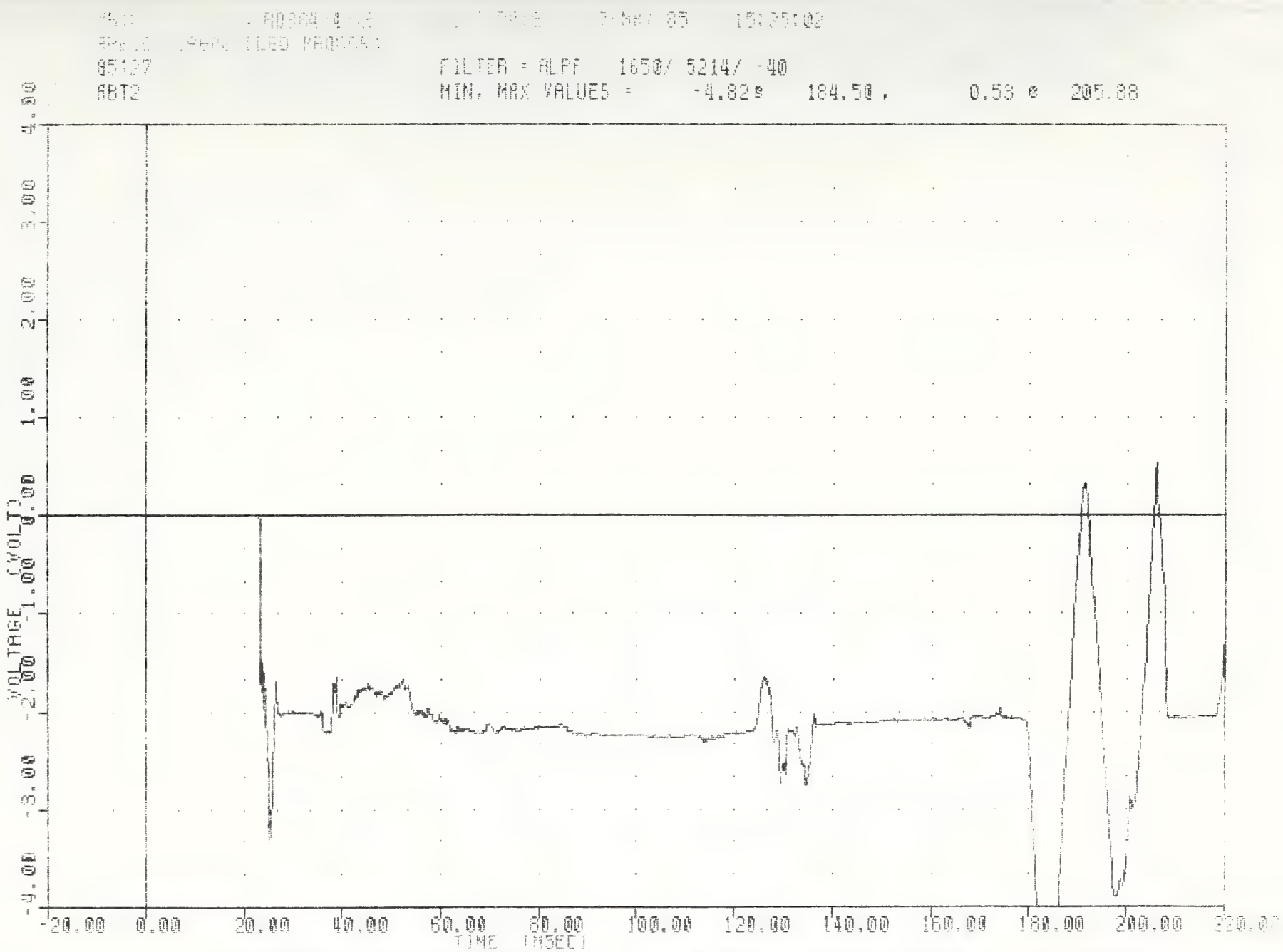
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLOXI



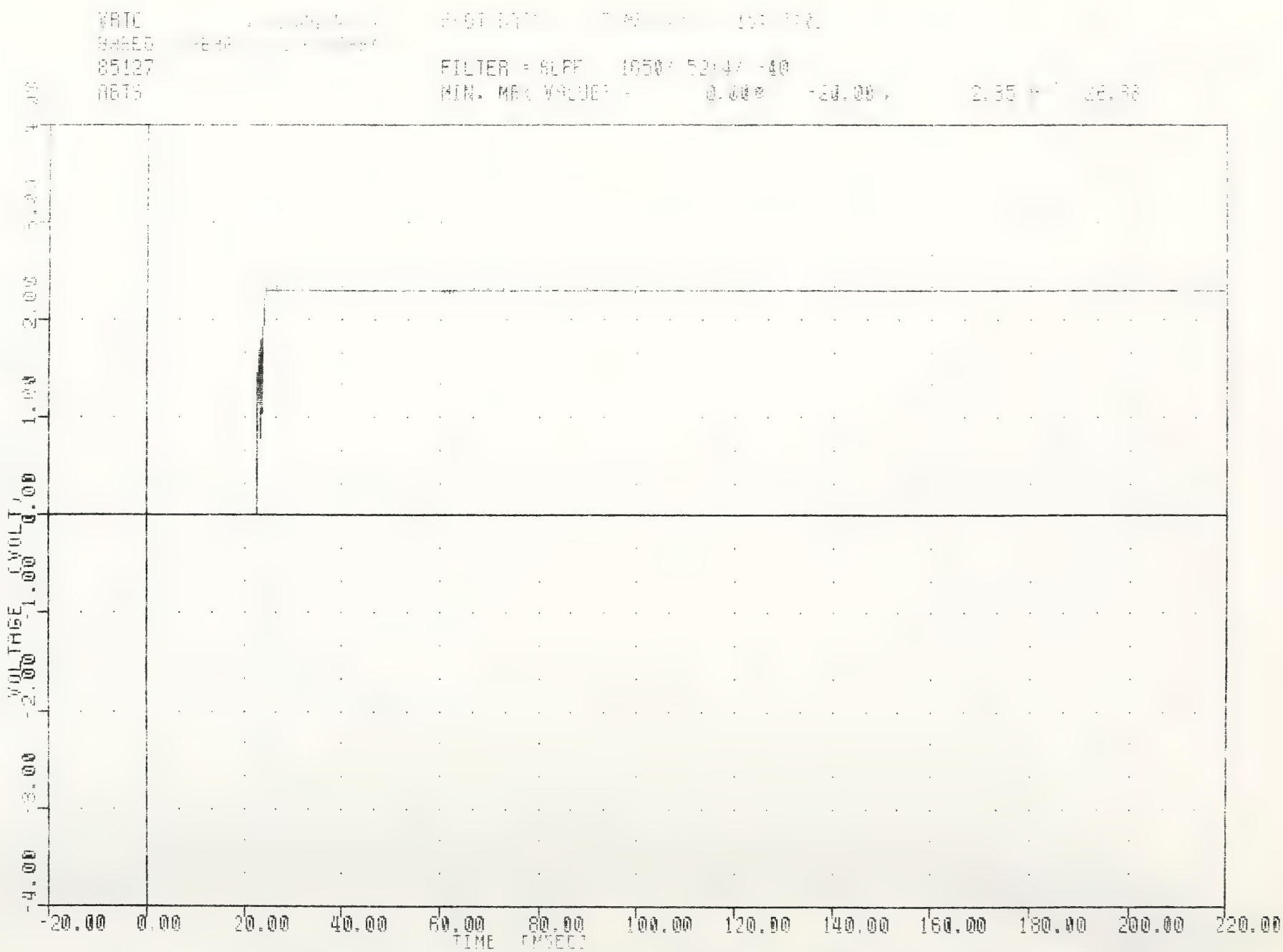
CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY

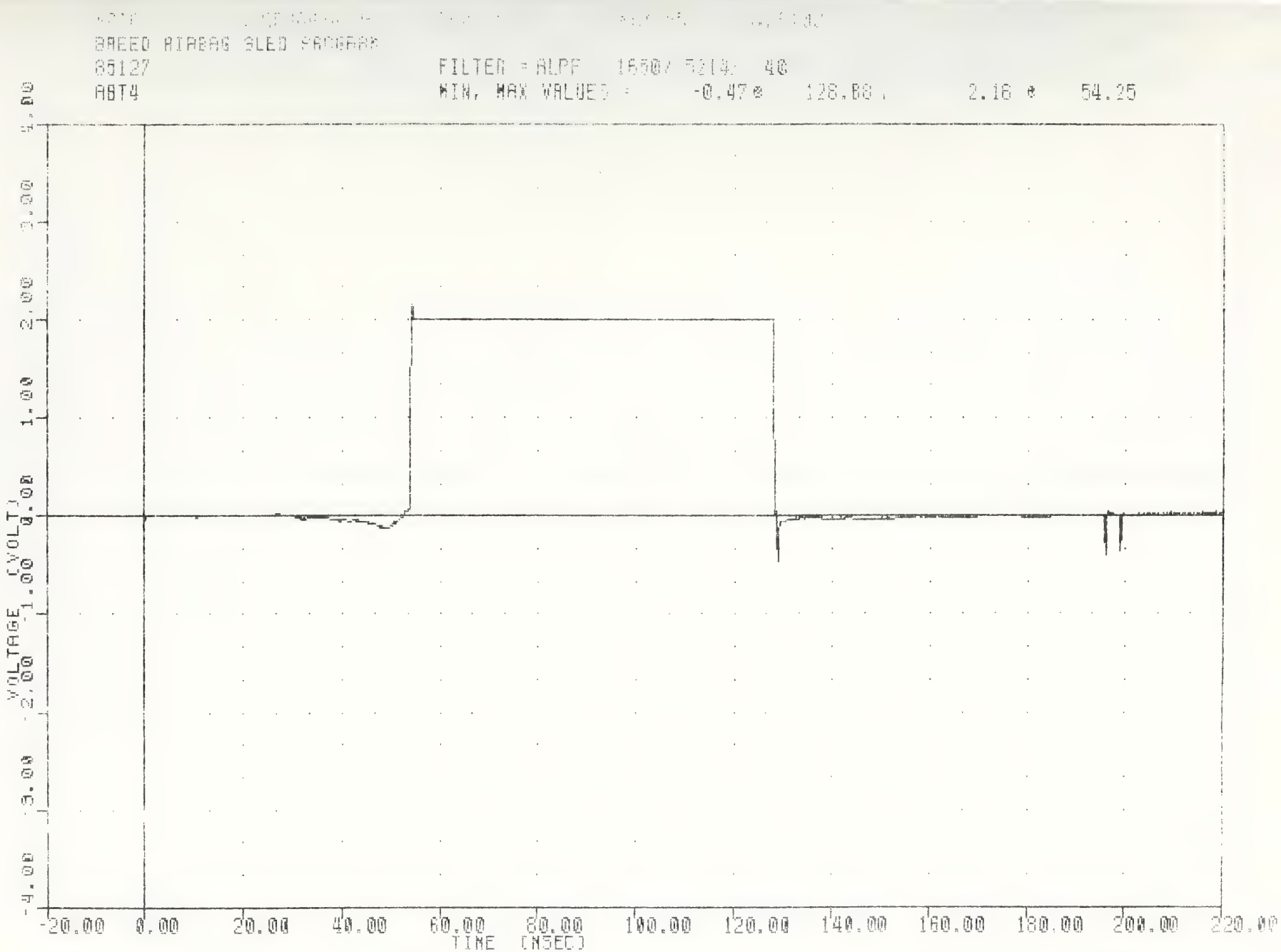


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



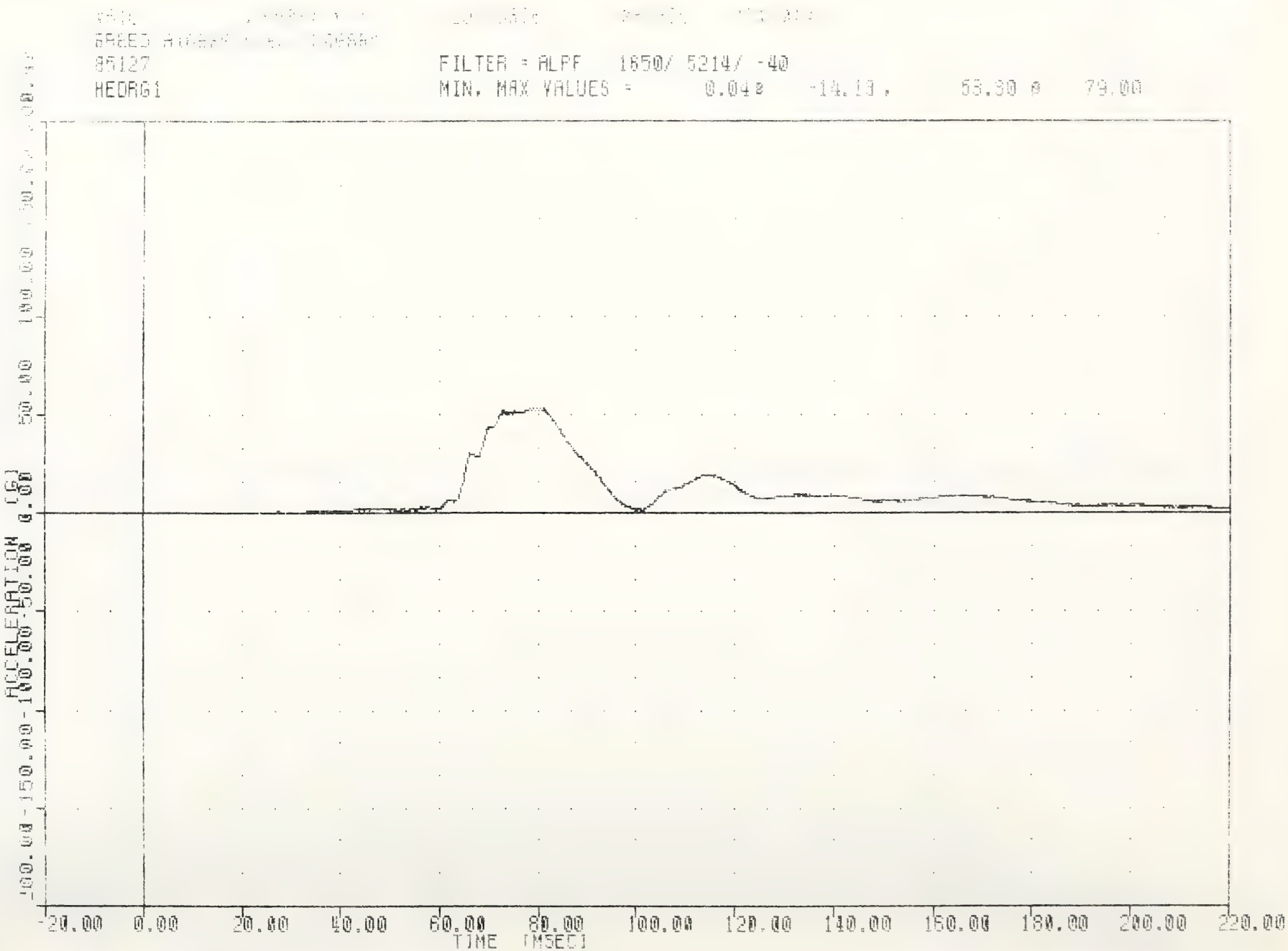
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY


85127
FILTER = ALPF
MIN. MAX VALUES
VOLTAGE (VOLTS)
TIME (MSEC)
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00
-4.00
-3.00
-2.00
-1.00
0.00
1.00
2.00
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE

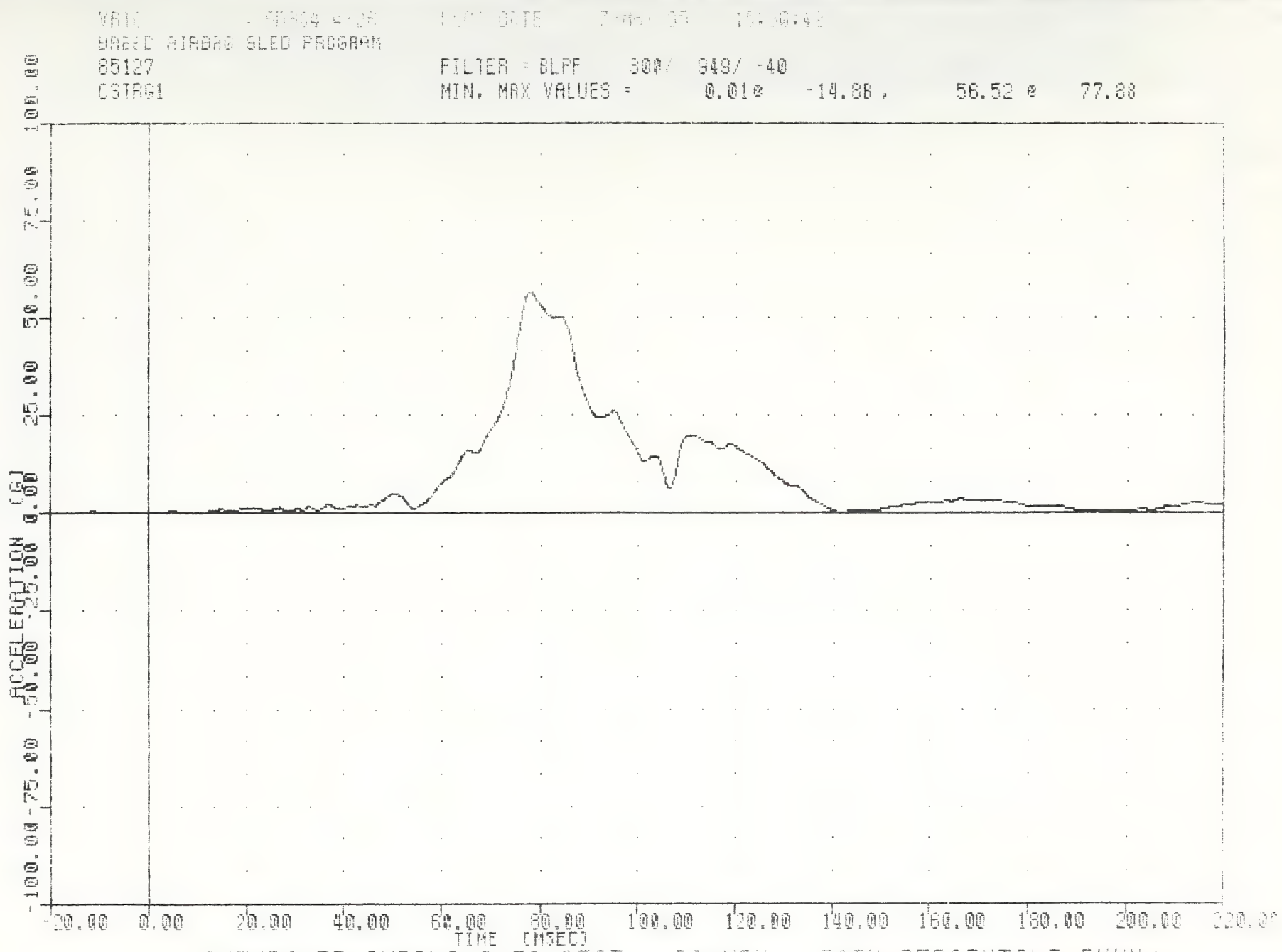


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

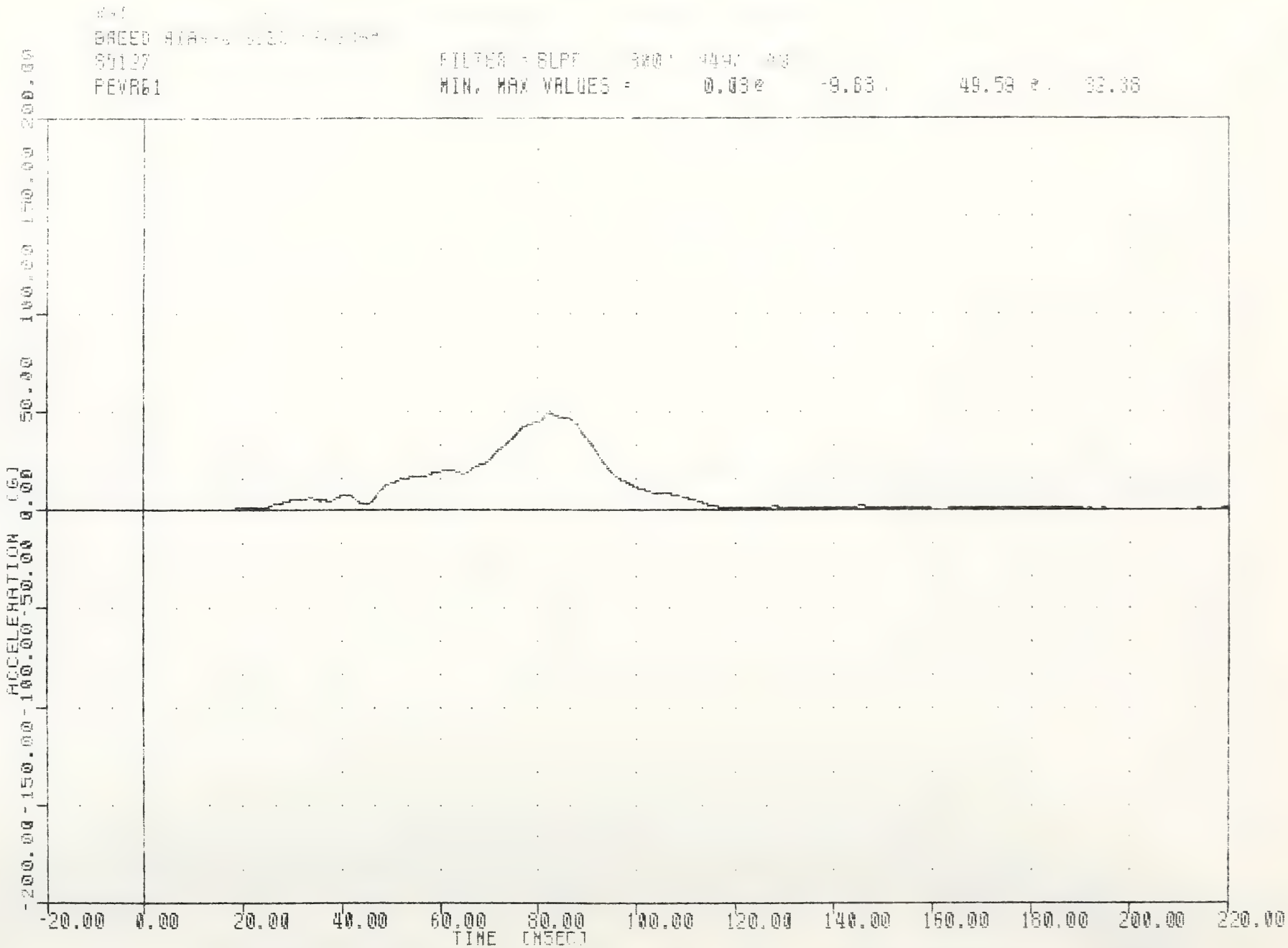
KNEE CONTACT



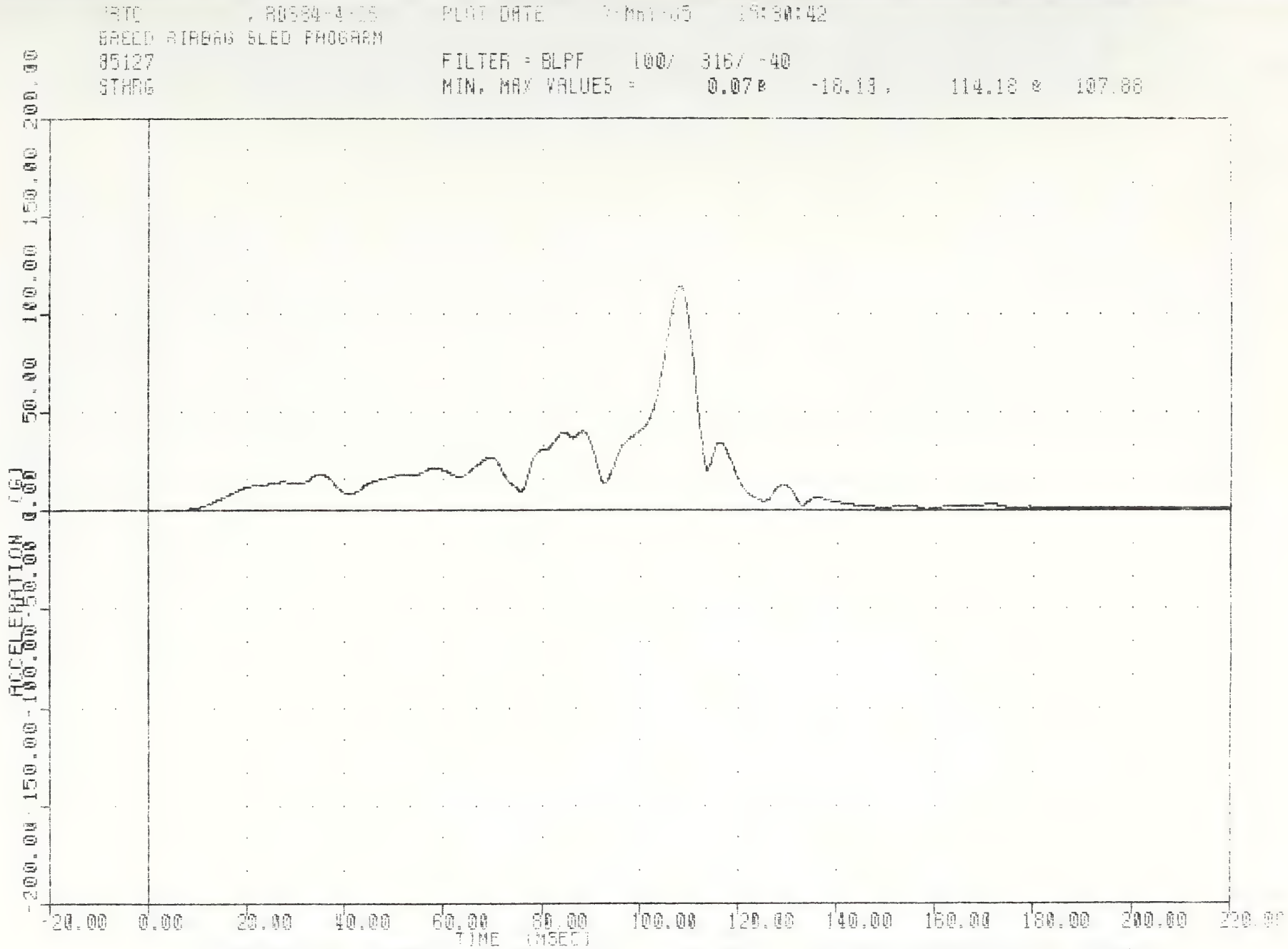
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



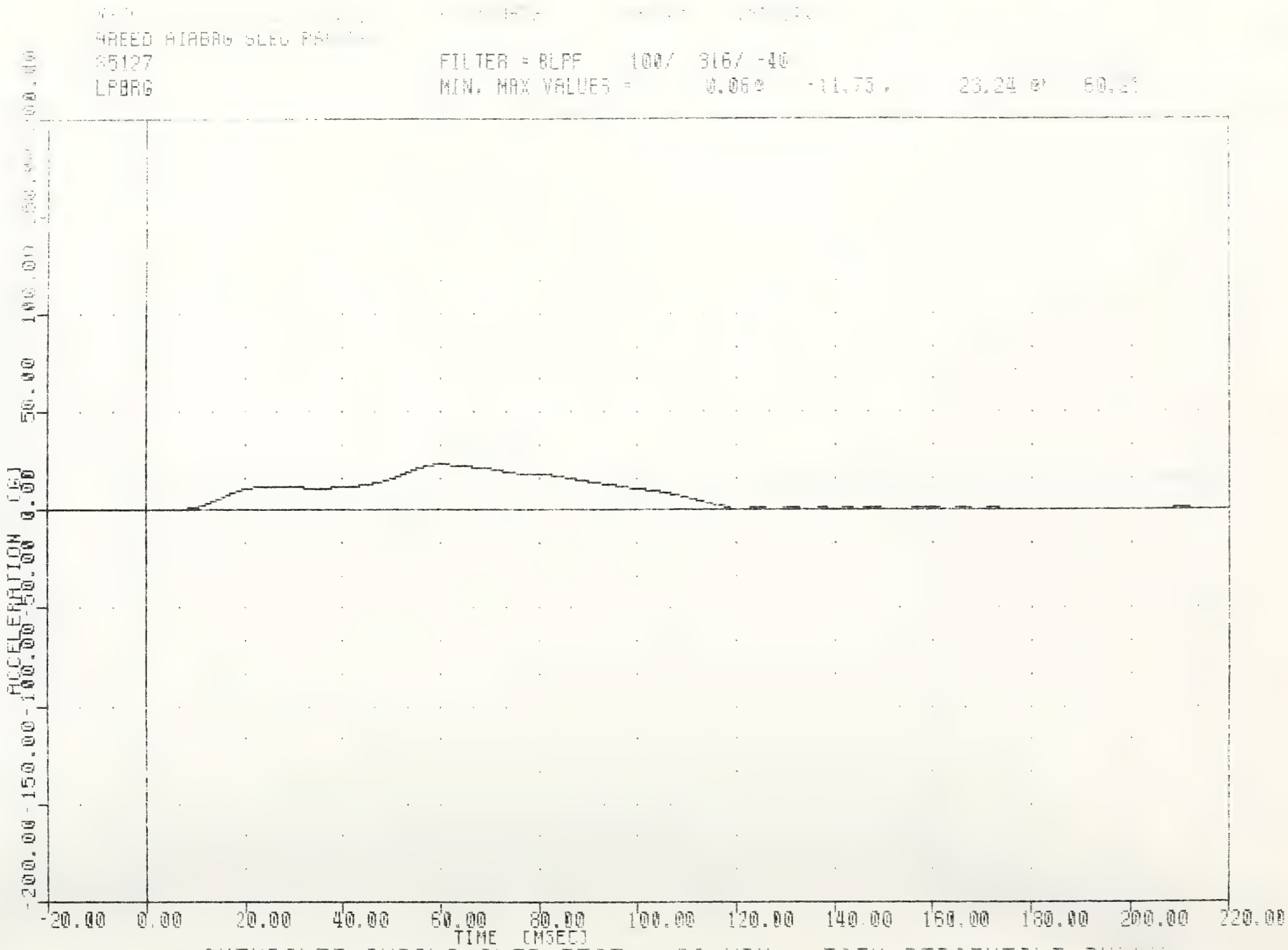
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



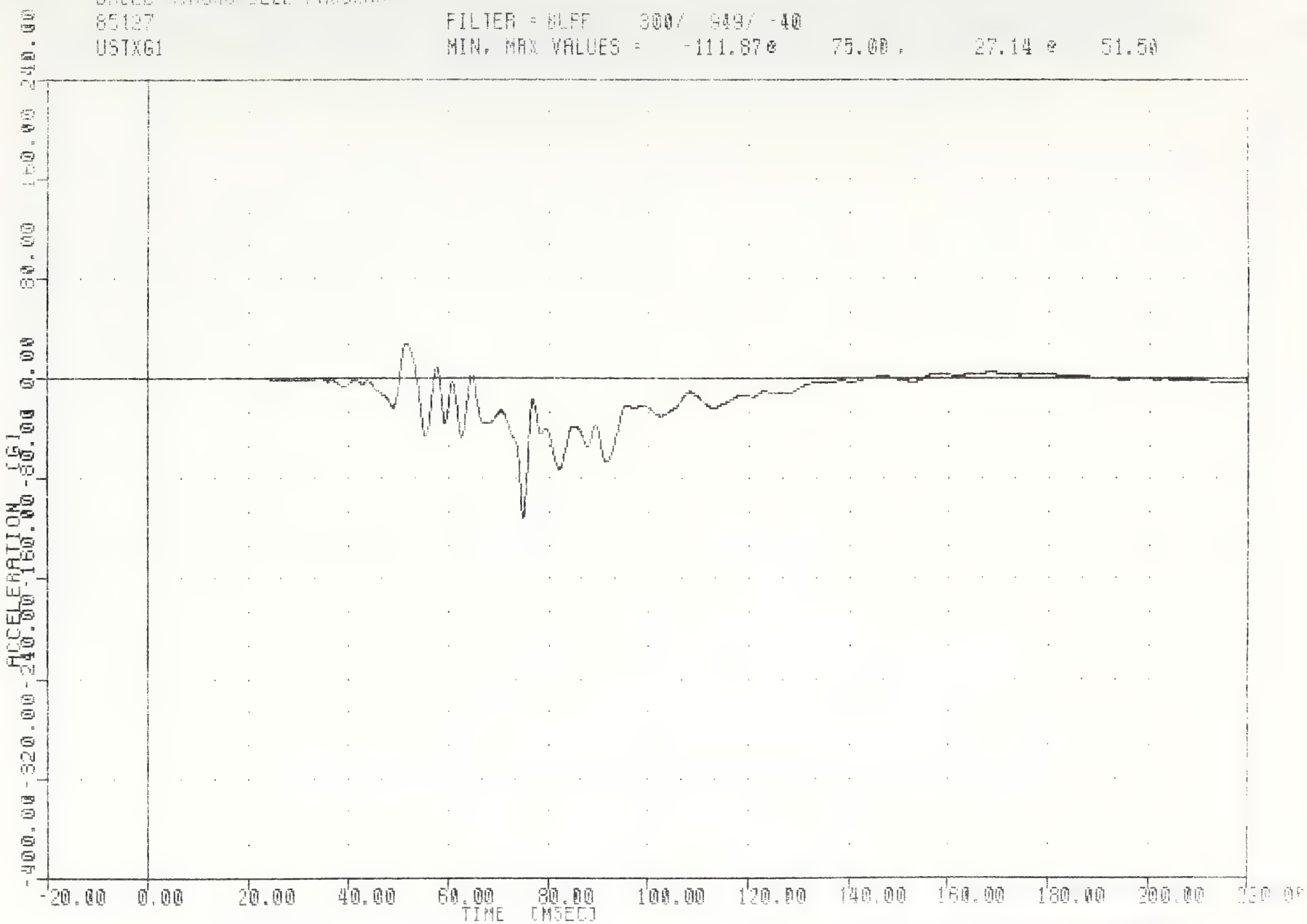
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER



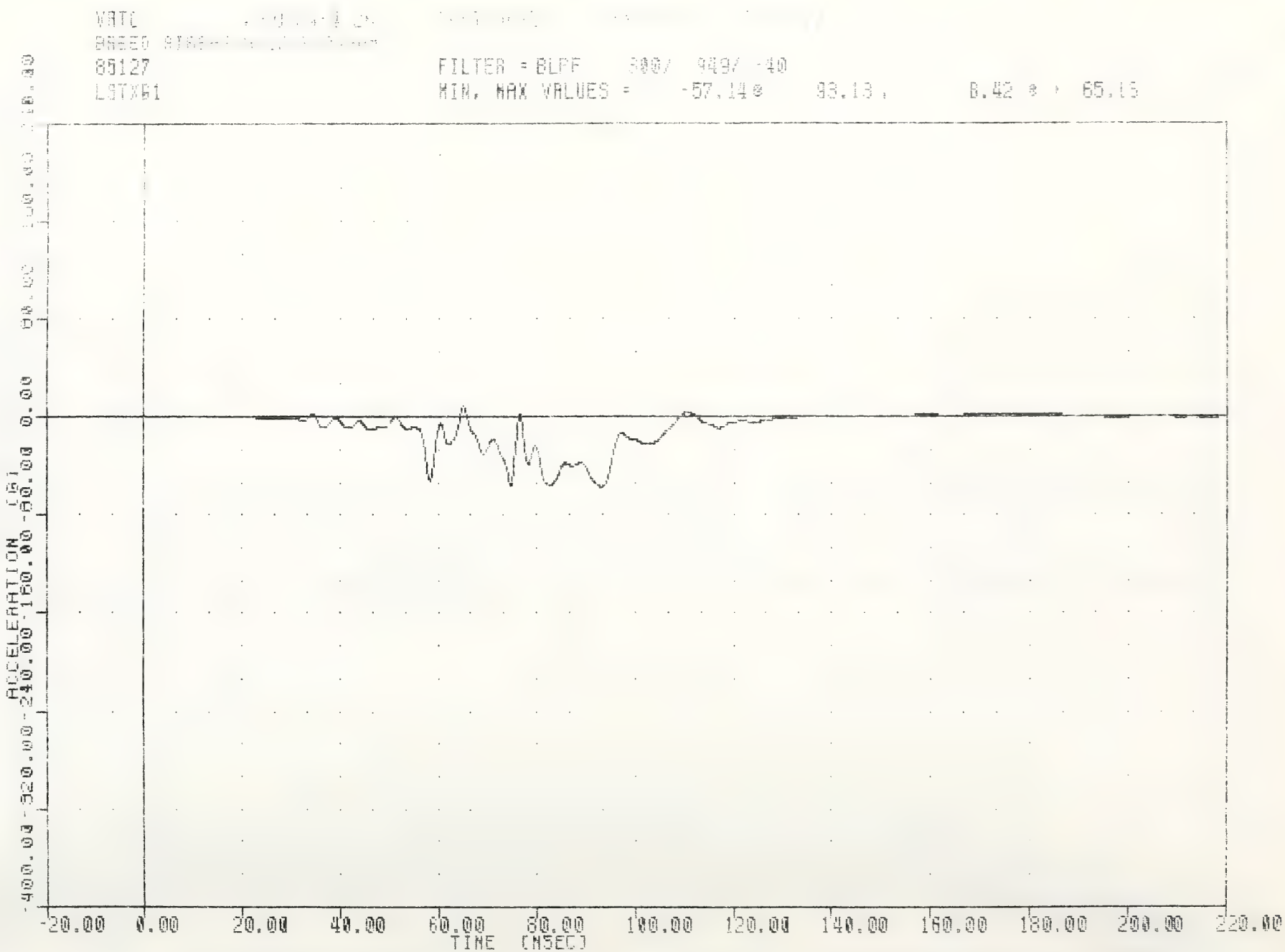
CHEVROLET IMPALA SLED TEST 95TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

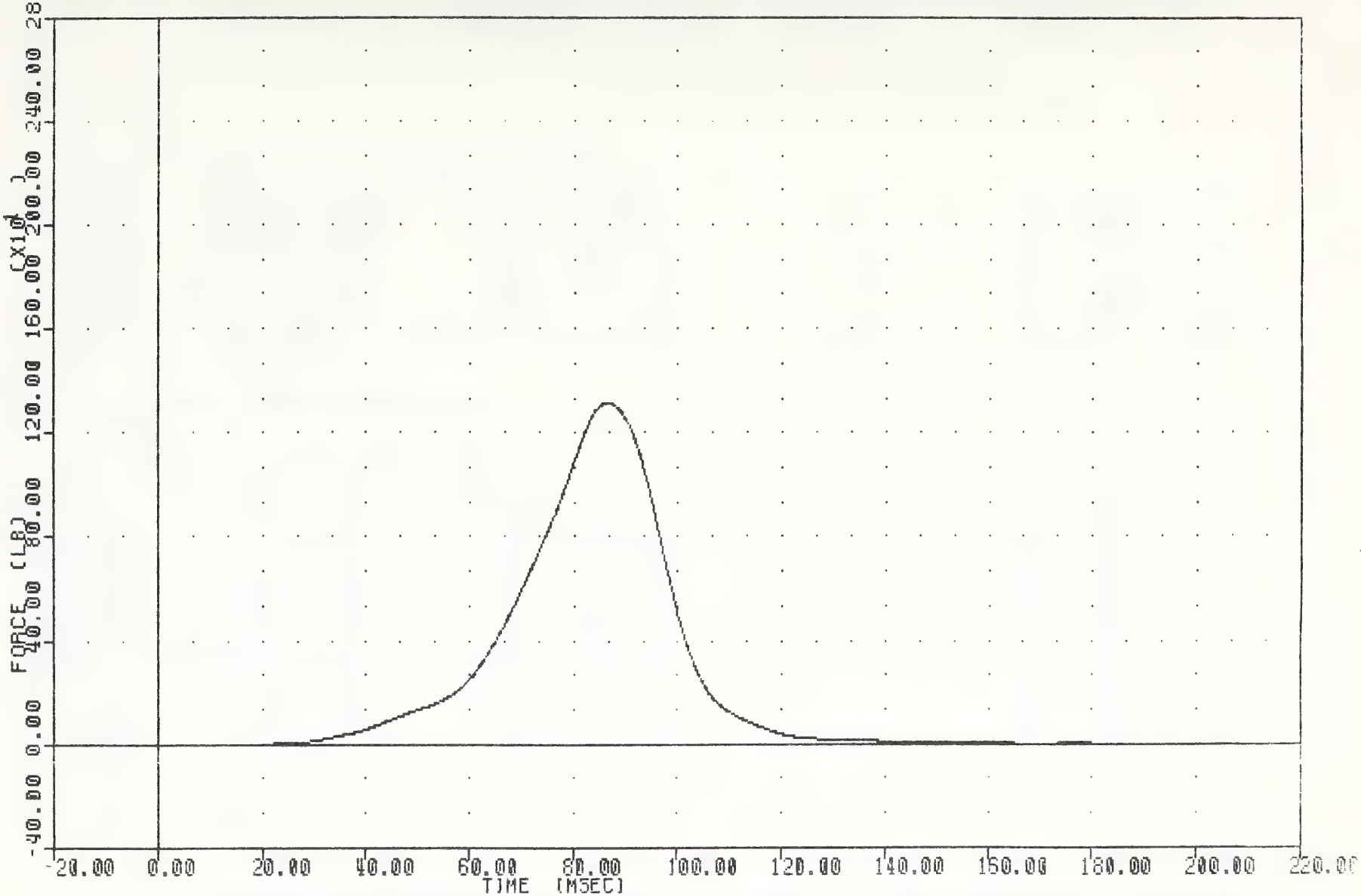


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
CENTER LOWER STERNUM ACCELERATION - X-AXIS

VRTC , RD384-4-26 PLOT DATE 9-MAY-85 10:16:08
BREED AIRBAG SLED PROGRAM
85127 FILTER = BLPF 100/ 316/ -40
LBOF1 MIN, MAX VALUES = -0.65 @ 220.00 , 1315.22 @ 86.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

TRC434P.RAD;1
VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 9-MAY-85 09:44
85128 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	-0.066 @ 0.125	1.477 @ -18.375 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-33.012 @ 119.750	0.154 @ -20.000 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.400 @ 57.375	1.324 @ 120.875 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-105.570 @ 91.500	43.164 @ 92.125 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-5.926 @ 130.375	9.724 @ 104.250 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-21.810 @ 125.750	136.289 @ 91.375 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-100.239 @ 116.250	4.654 @ 101.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-4.834 @ 91.375	10.216 @ 110.625 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-9.513 @ 133.625	24.118 @ 107.375 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-264.832 @ 112.875	120.631 @ 87.750 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-172.001 @ 81.250	160.666 @ 85.750 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-61.098 @ 90.500	6.223 @ 156.500 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-5.740 @ 51.500	8.595 @ 84.875 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-21.196 @ 87.000	1.266 @ 135.375 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-2543.490 @ 91.250	9.508 @ 163.750 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-1216.323 @ 92.000	51.972 @ 72.125 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-23.427 @ 59.500	2.022 @ 123.125 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-2.704 @ 95.750	2.730 @ 108.375 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-1.715 @ 116.375	1.836 @ 37.000 msec	g	BLPF 100/ 316/ -40
20	ABT3	-0.004 @ -0.250	2.398 @ 25.625 msec	volt	ALPF 1650/ 5214/ -40
21	ABT4	-0.526 @ 91.250	9.987 @ 147.375 msec	volt	ALPF 1650/ 5214/ -40

TRC434IP.RAD;1
VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 9-MAY-85 09:44
85128 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-41.242 @ 203.500	1.919 @ 86.750 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-49.523 @ 220.000	0.932 @ 91.625 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-39.234 @ 143.000	-0.137 @ 0.125 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-52.472 @ 220.000	-0.079 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-30.336 @ 137.750	0.015 @ -20.000 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-45.107 @ 220.000	0.011 @ 8.750 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-32.459 @ 113.875	0.020 @ -19.125 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.144 @ 220.000	0.013 @ -8.125 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-31.589 @ 115.750	0.272 @ -17.750 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-59.147 @ 220.000	0.221 @ 10.250 msec	in	BLPF 300/ 949/ -40

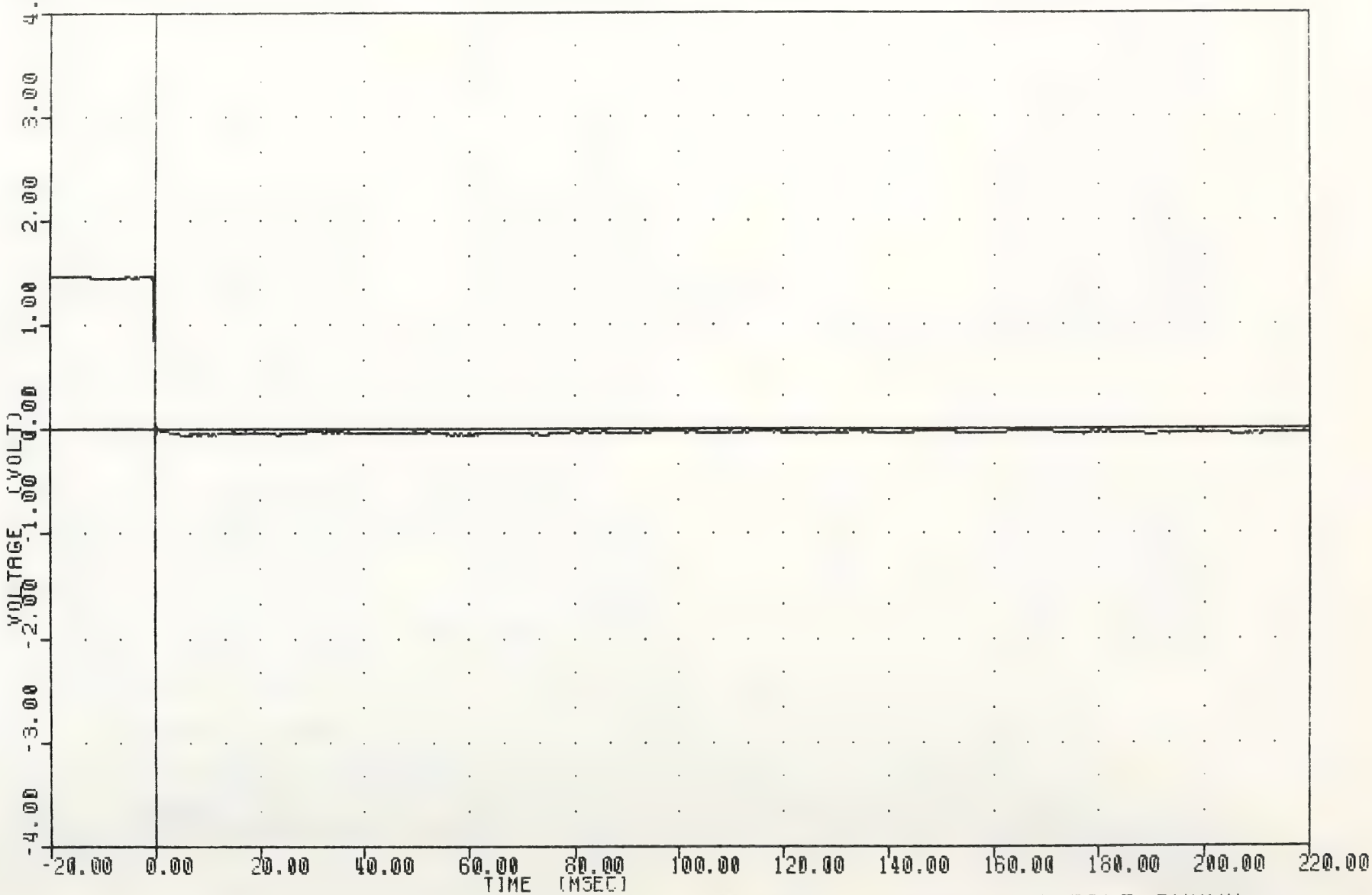
TRC434RP.RAD;1
VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 9-MAY-85 09:44
85128 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.037 @ -11.750	172.299 @ 91.500 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.013 @ -13.000	101.096 @ 116.250 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.059 @ -11.750	63.596 @ 90.375 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.116 @ -3.500	23.440 @ 59.375 msec	g	BLPF 100/ 316/ -40

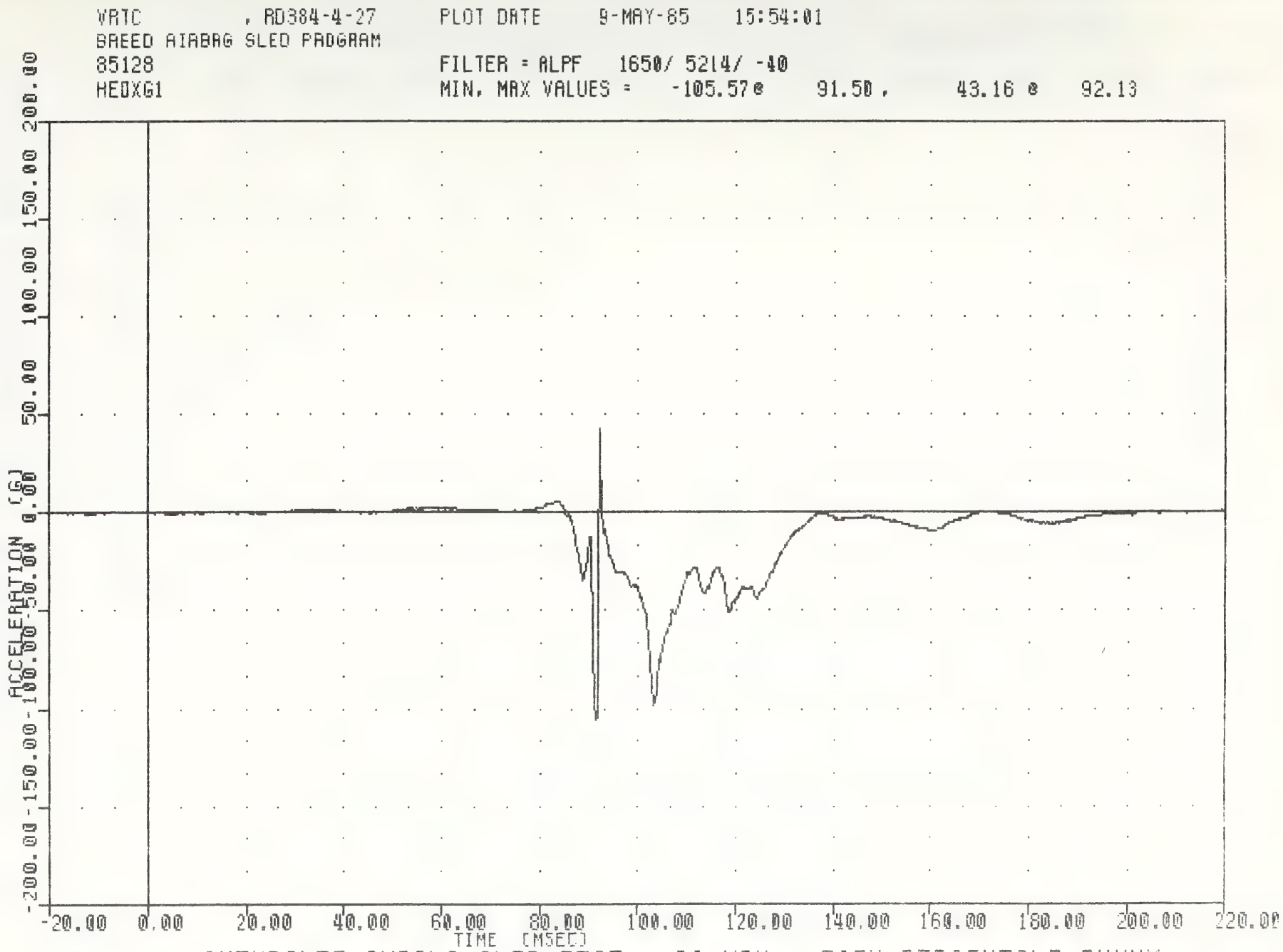
```
HIC -- Head Injury Criterion computed from a single channel

TRC434RP.RAD;1
 VRTC          RD384-4-27  BREED AIRBAG SLED PROGRAM
 85128         30.00 mph


* * *   HIC computation for HEDRG1                                  9-MAY-85 09:43

   Using time range =   0.000 to 135.625 msec     Peak accel = 172.30 @  91.500

HIC =  650.57     Interval from  87.250 [ 859] to 128.500 [1189]

HIC =  347.36     Interval from  90.500 [ 885] to 105.500 [1005]
```

```
  R SYSF:THREEMX\X\S
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC434RP

File TRC434RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC          RD384-4-27  BREED AIRBAG SLED PROGRAM        30.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC434RP.RAD;1                                VRTC        RD384-4-27
BREED AIRBAG SLED PROGRAM        30.0 mph      85128          9-MAY-85 09:46:05
Deltax: 0.125

3 MS CLIP PEAK:    90.20337

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> EXIT

Enter input filespec  -> EXIT
$
```

VRTC , R0384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
85128 FILTER = ALPF 1650/ 5214/ -40
EVENT MIN, MAX VALUES = -0.07 @ 0.13 , 1.48 @, -18.38

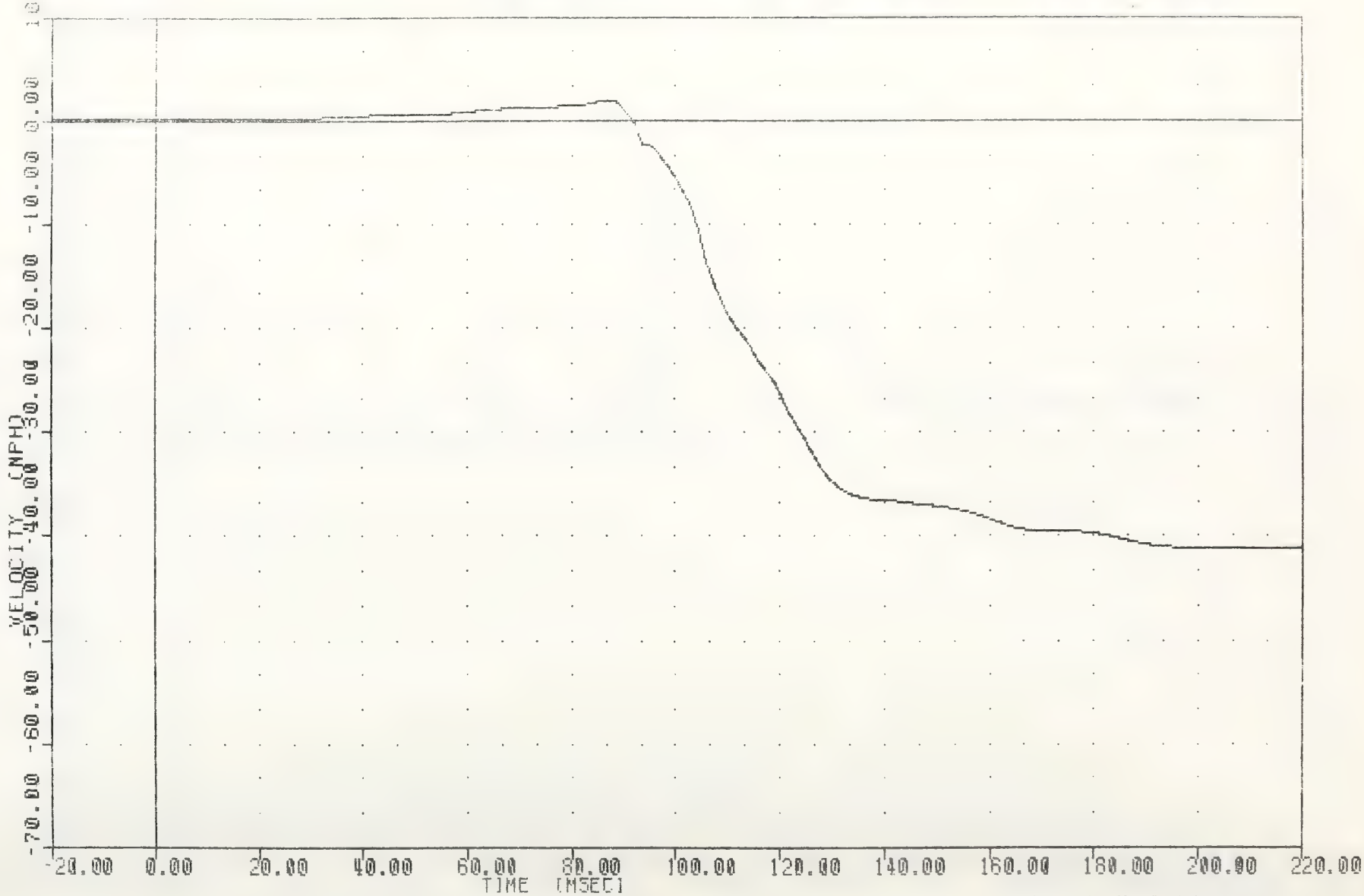


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT



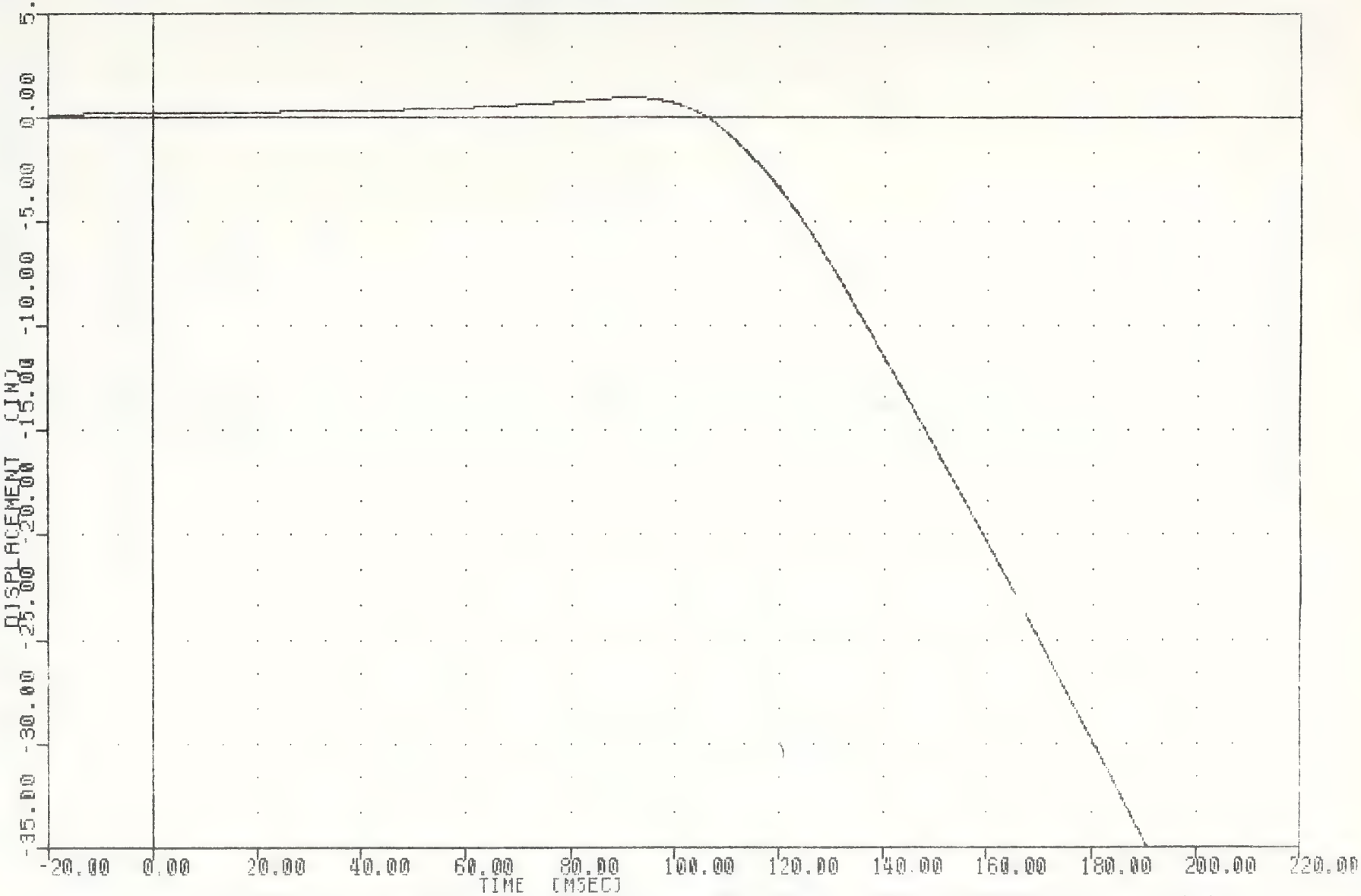
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VATC . ROERA 1 2 PLOT DATE 10-MAY-88 11:10:50
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
HEDXV1 MIN, MAX VALUES = -41.24@ 203.50 , 1.92 @ 86.75

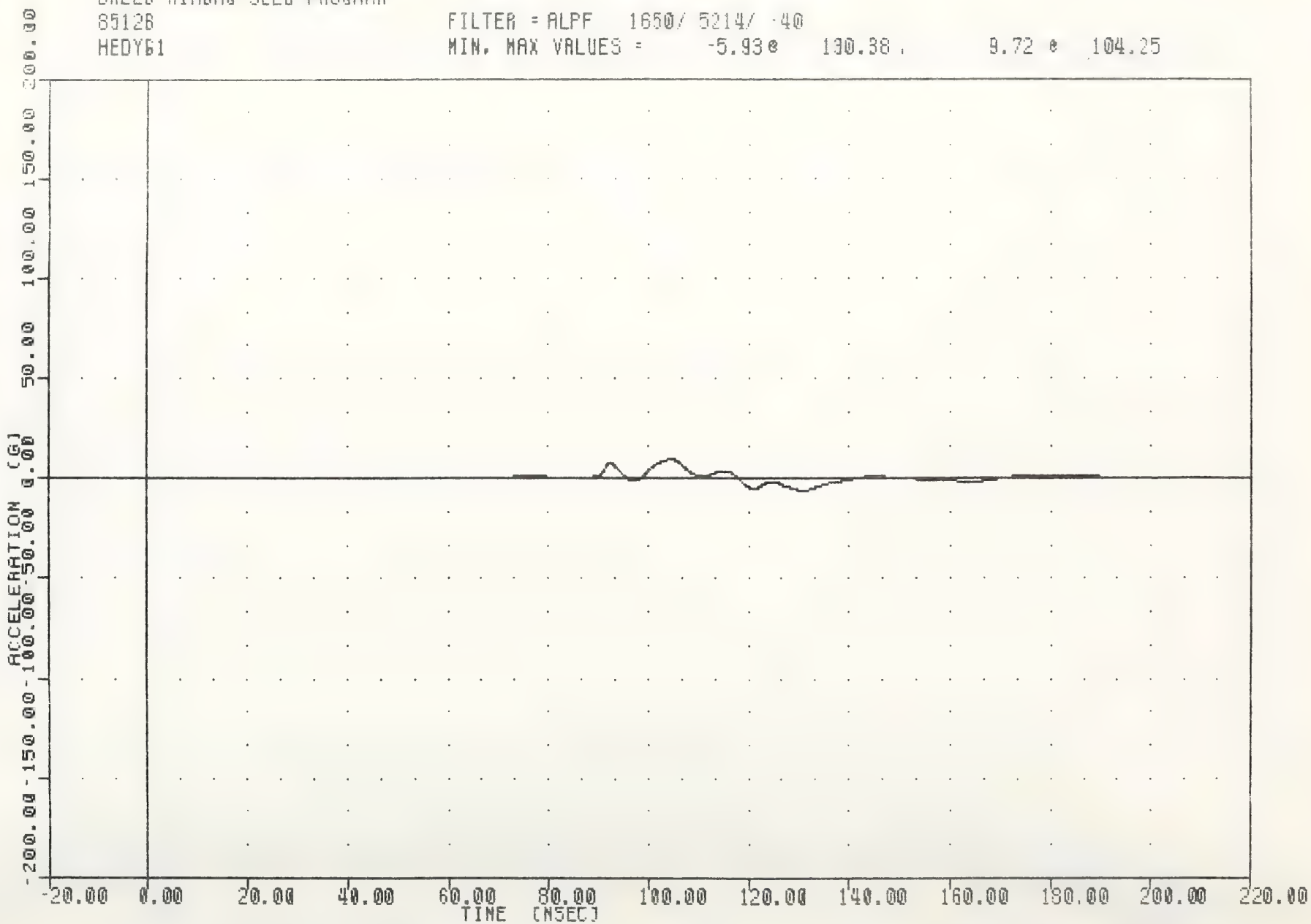


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-27 PLOT DATE 10-MAY-85 11:10:50
BREED AIRBAG SLED PADGRAM
85128 FILTER = BLPF 300/ 949/ -40
HEDXD1 MIN. MAX VALUES = -49.52@ 220.00 . 0.93 @ 91.63

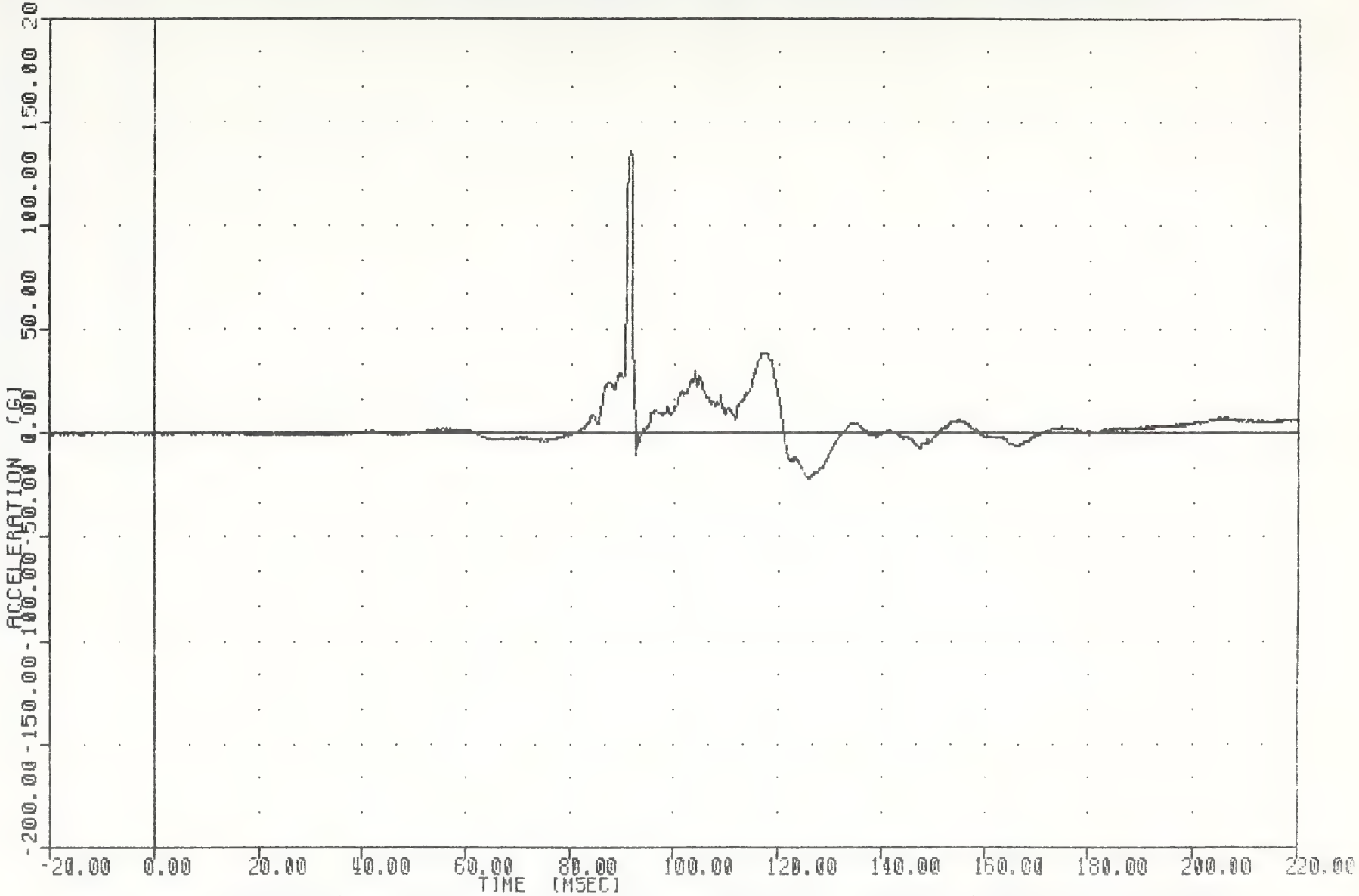


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1



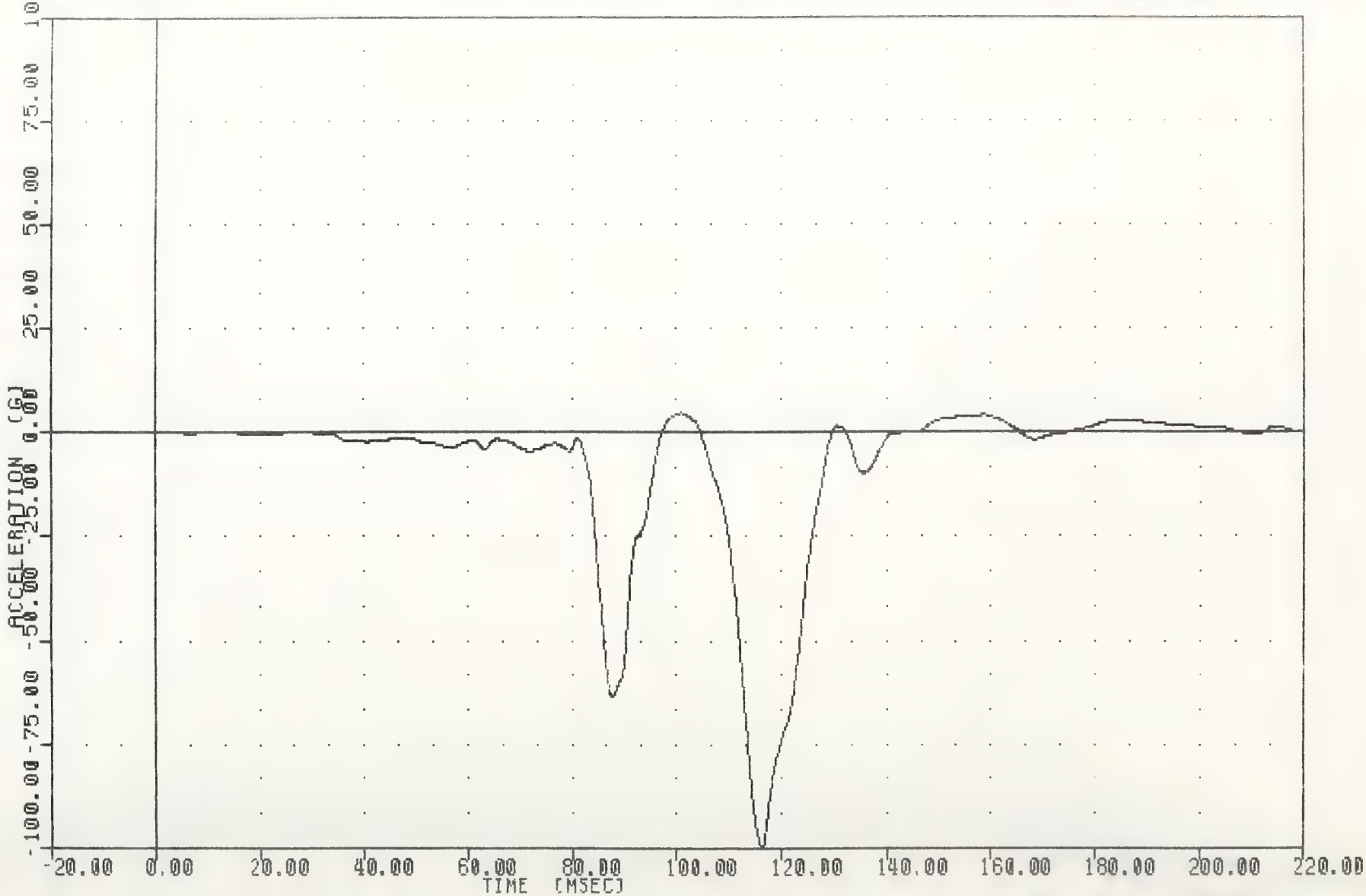
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
85128 FILTER = ALPF 1650/ 5214/ -40
HEDZG1 MIN. MAX VALUES = -21.81 @ 125.75 , 136.29 @ 91.38



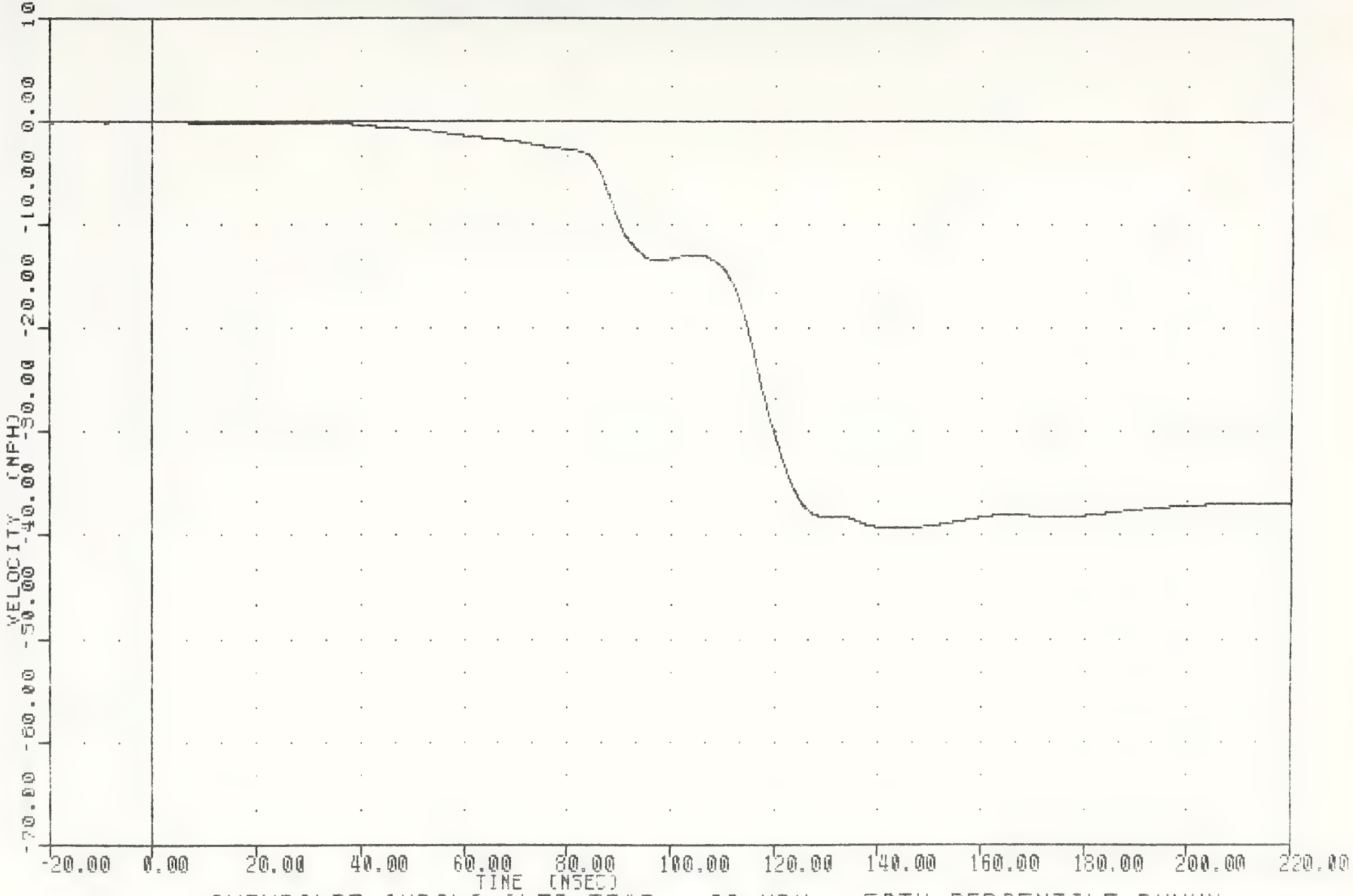
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
CSTXG1 MIN, MAX VALUES = -100.24@ 116.25 , 4.65 @ 101.00



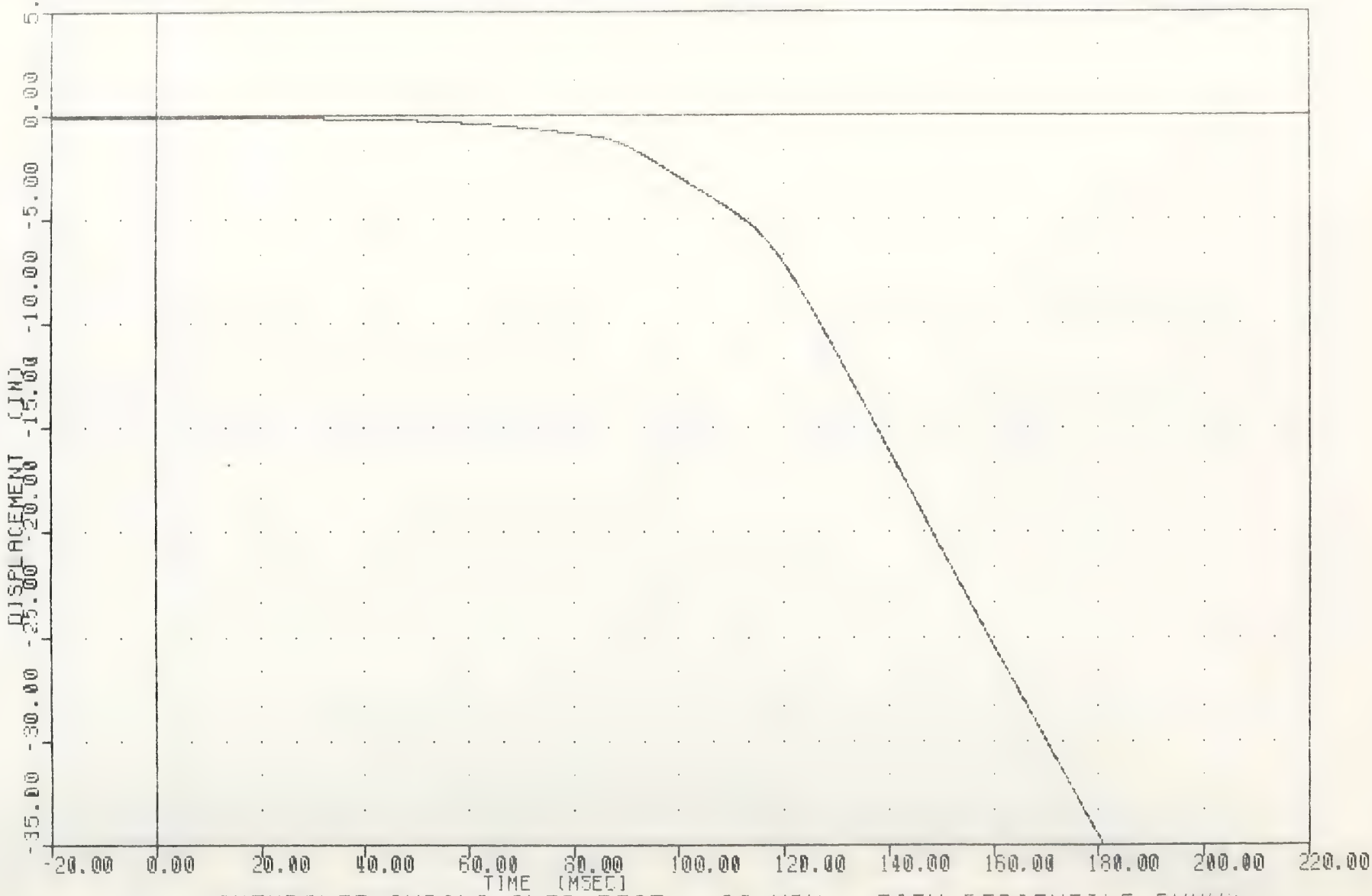
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-27 PLOT DATE 10-MAY-85 11:10:50
BREED AIRBAG SLED PROGRAM
8512B FILTER = BLPF 300/ 949/ -40
CSTXV1 MIN, MAX VALUES = -39.23@ 143.00, -0.14 @ 0.13



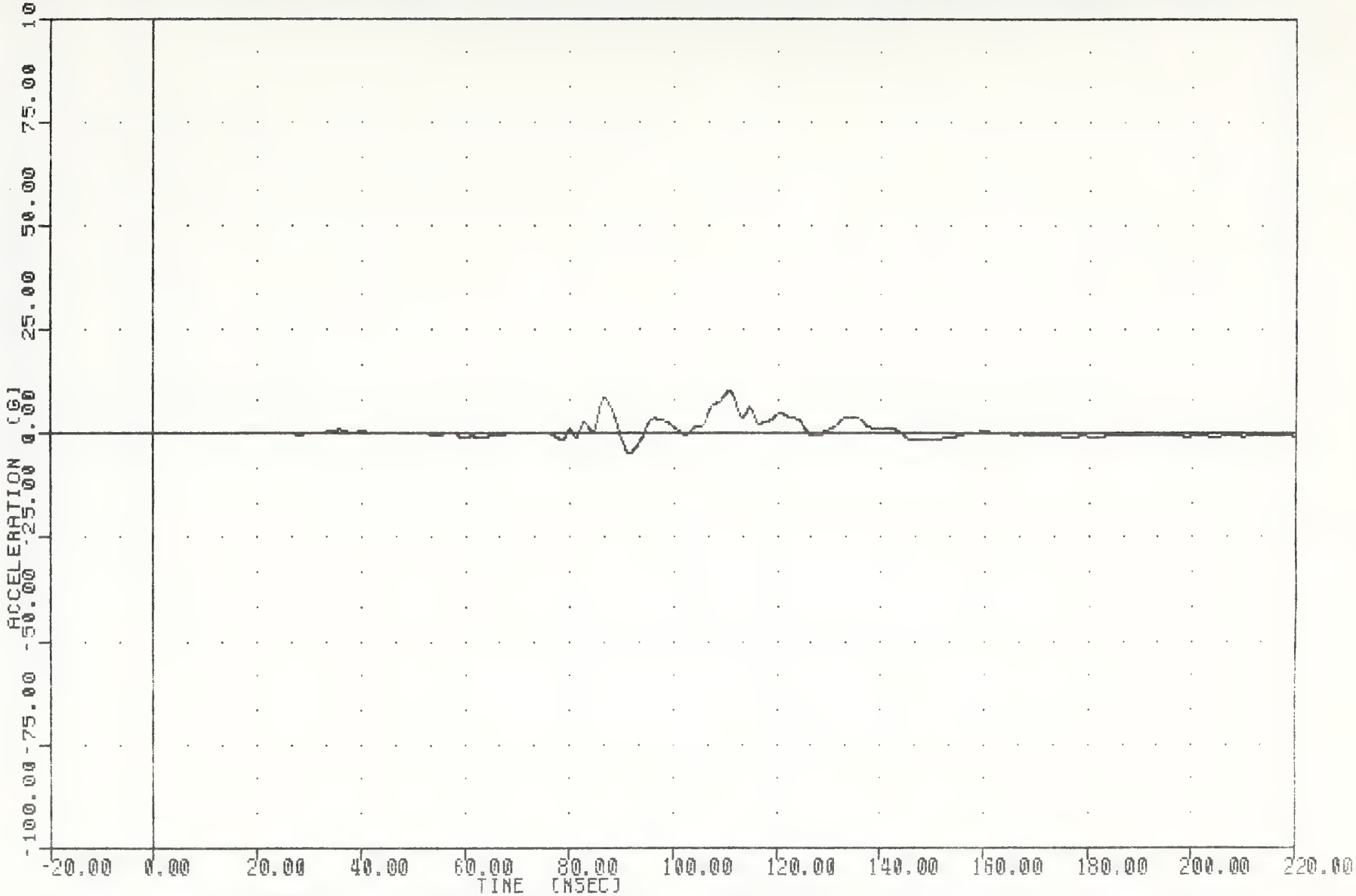
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXV1

VRTC , R0384-4-27 PLOT DATE 10-MAY-85 11:11:53
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN, MAX VALUES = -52.47@ 220.00 , -0.08 @ -20.00

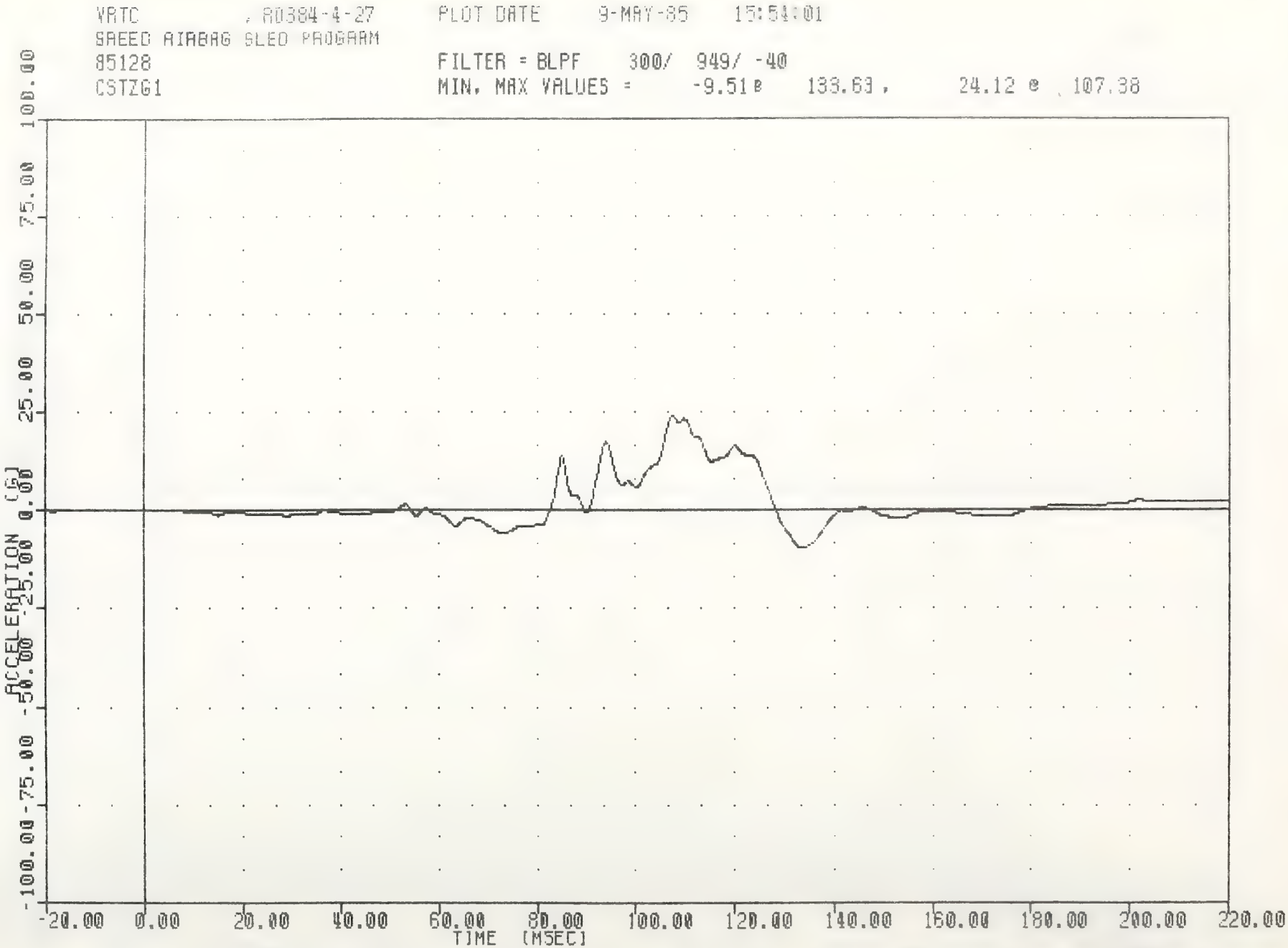


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

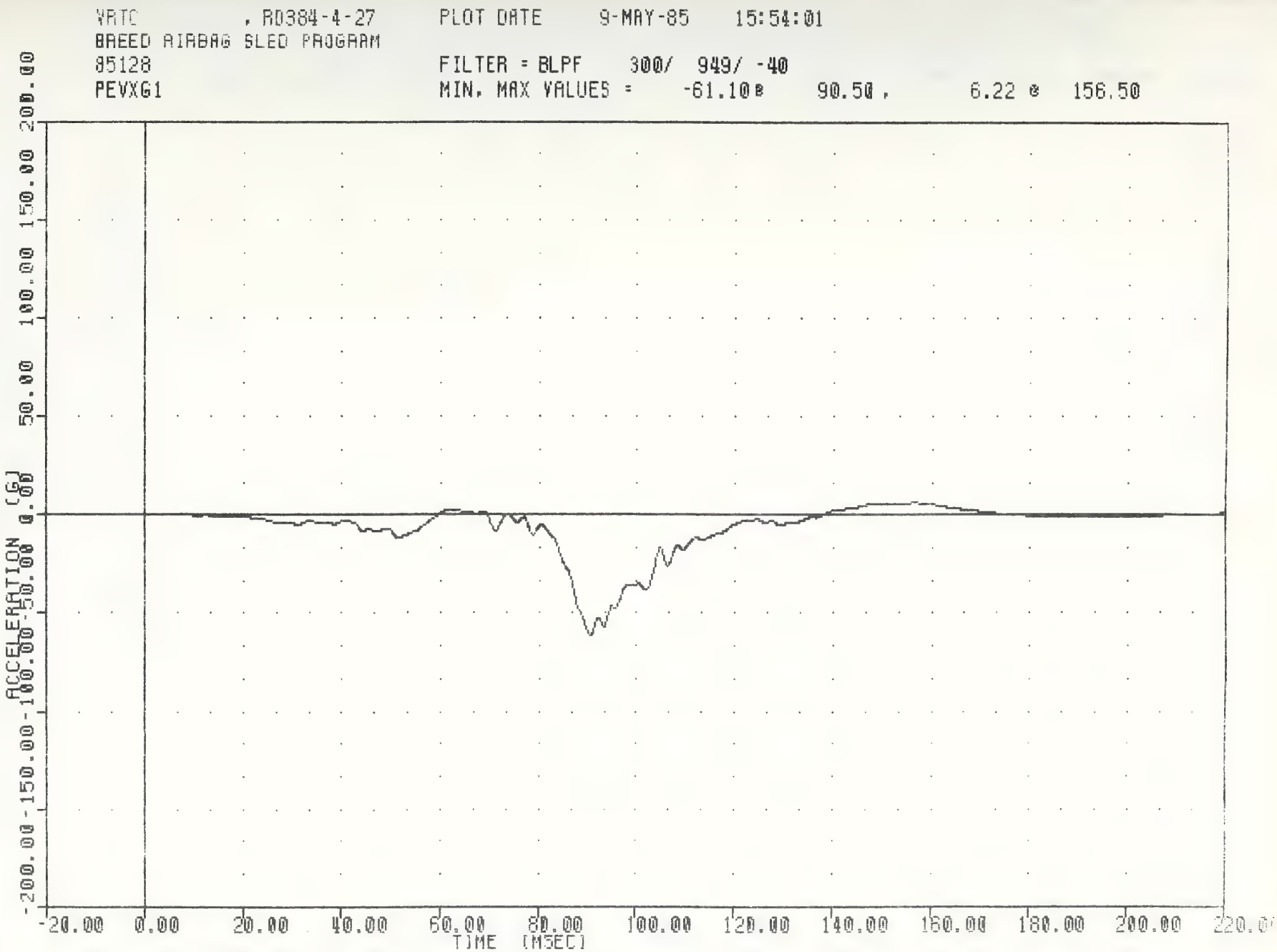
VATC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
CSTY61 MIN, MAX VALUES = -4.83 @ 91.38 , 10.22 @ 110.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

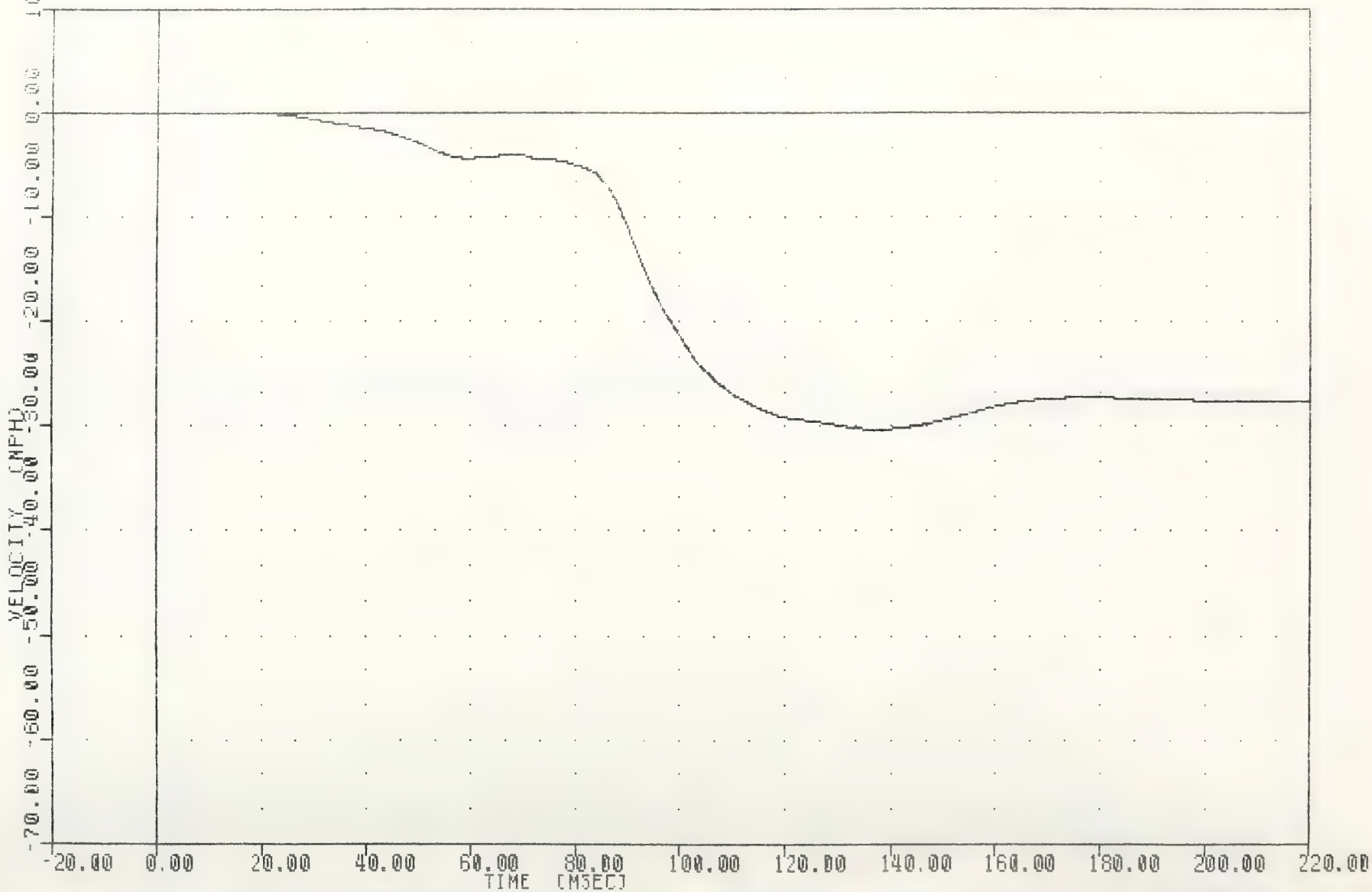


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS



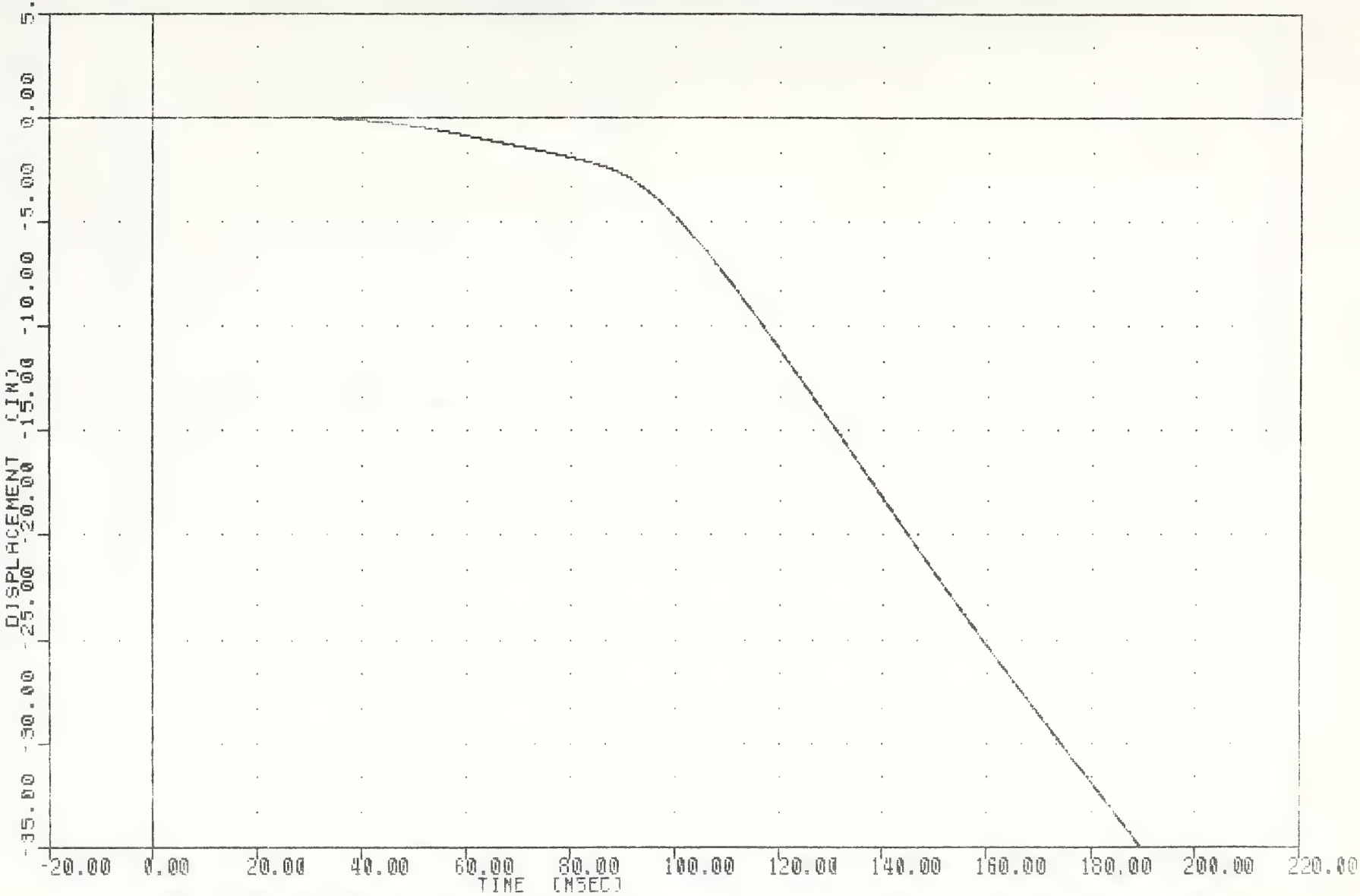
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-27 PLOT DATE 10-MAY-85 11:11:53
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
PEVXV1 MIN, MAX VALUES = -30.34@ 137.75 , 0.01 @ -20.00



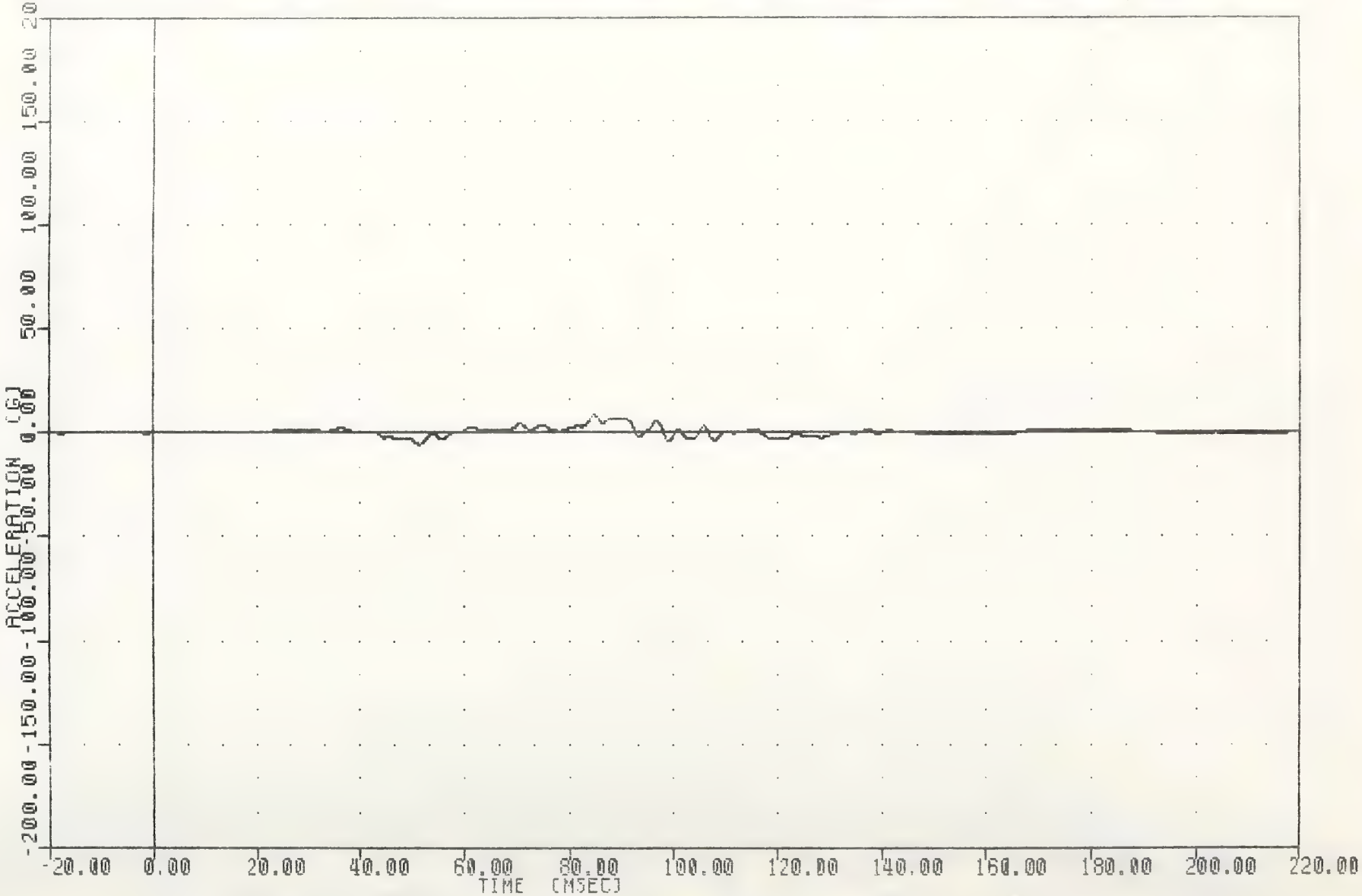
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VATC , RU384-4-27 PLOT DATE 10-MAY-85 11:11:53
BREED AIRBAG SLED PROGRAM
8512B FILTER = BLPF 300/ 949/ -40
PEVXD1 MIN, MAX VALUES = -45.11 @ 220.00 , 0.01 @ 8.75



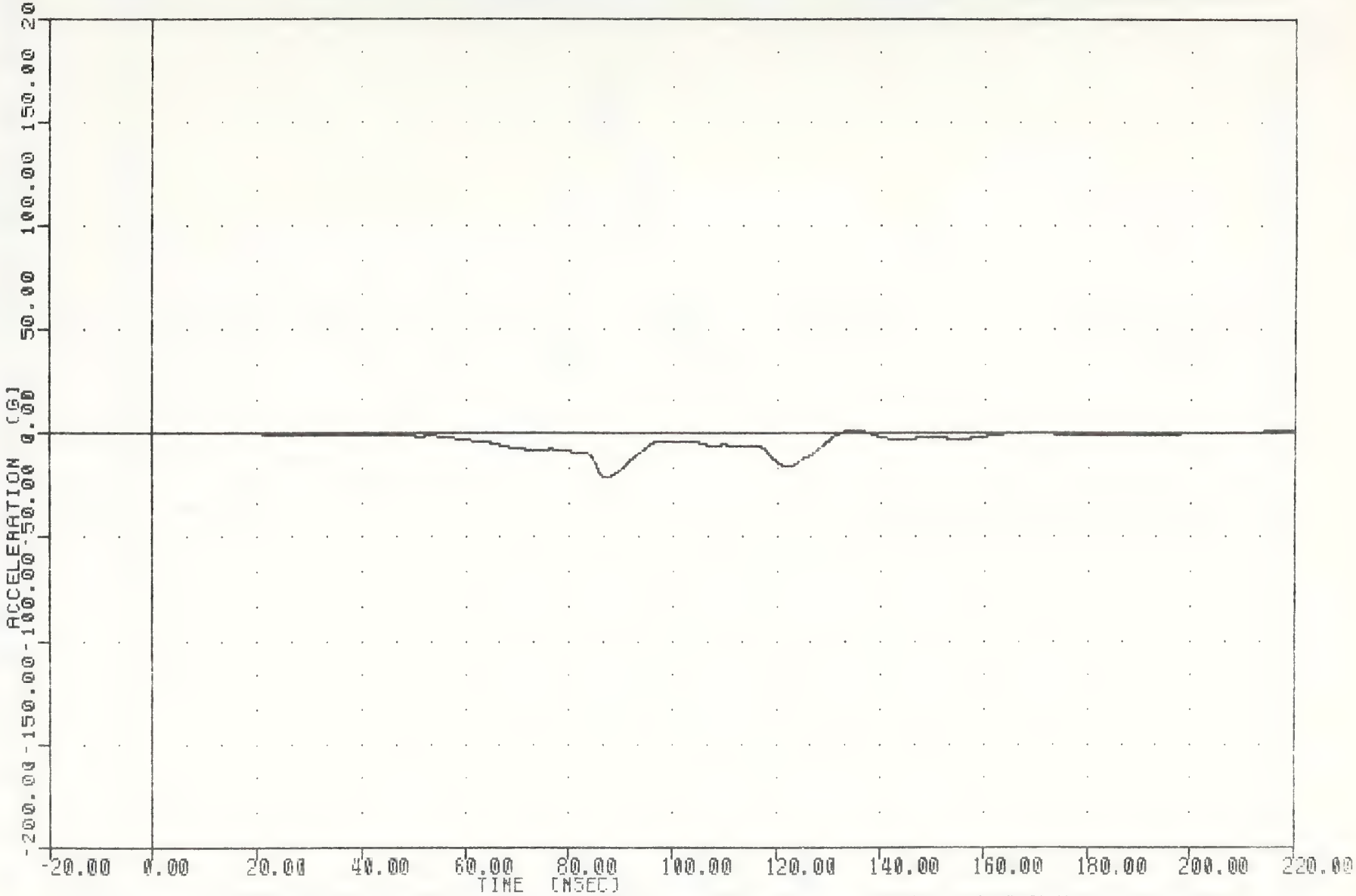
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 16:54:01
BREED AIRBAG SLED PROGR-M
85128 FILTER = BLPF 300/ 949/ -40
PEYYG1 MIN, MAX VALUES = -5.74@ 51.50 , 8.59 @ 84.88

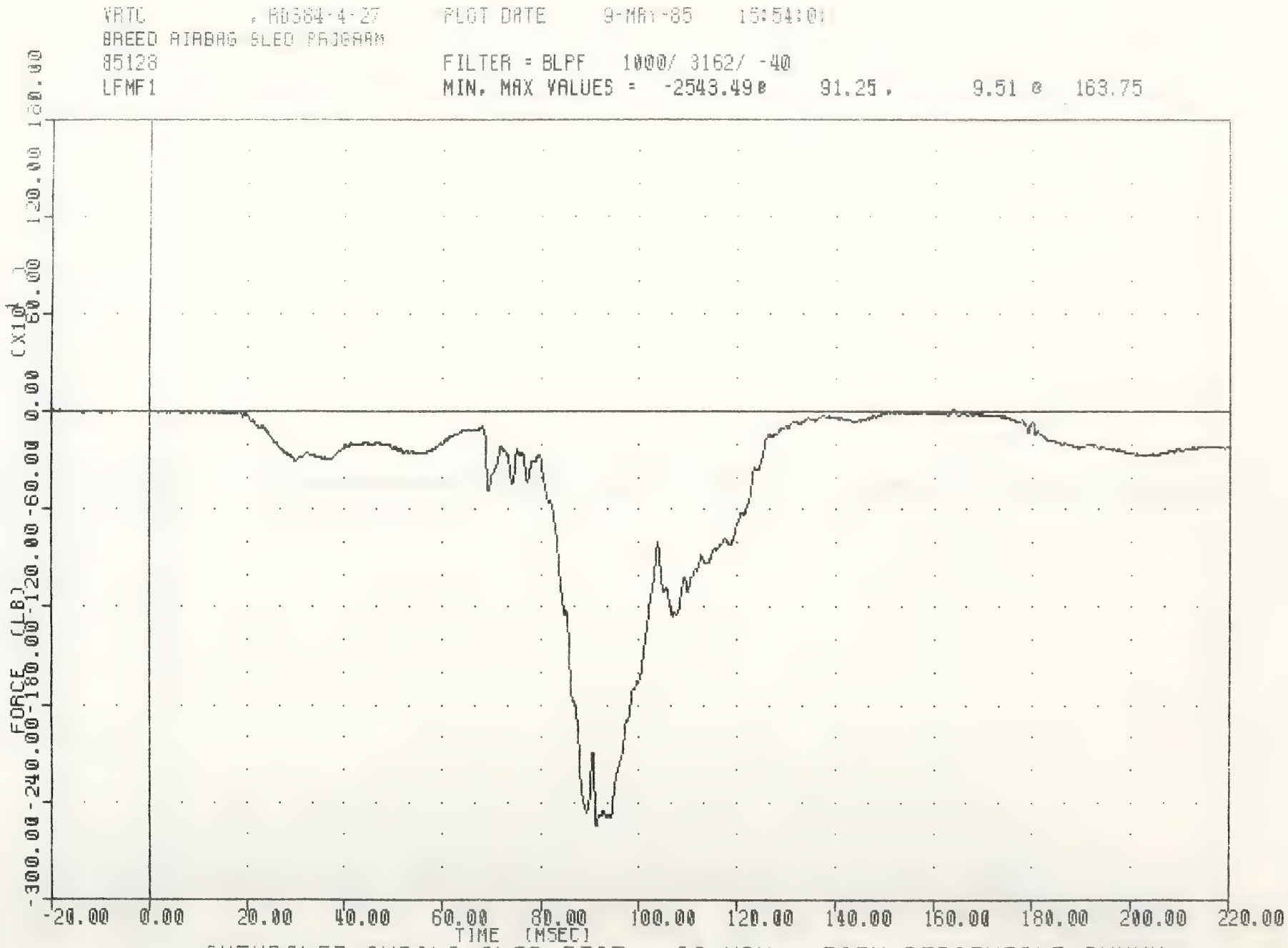


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
8512B FILTER = BLPF 300/ 949/ -40
PEVZG1 MIN. MAX VALUES = -21.20 @ 87.00 , 1.27 @ 135.38

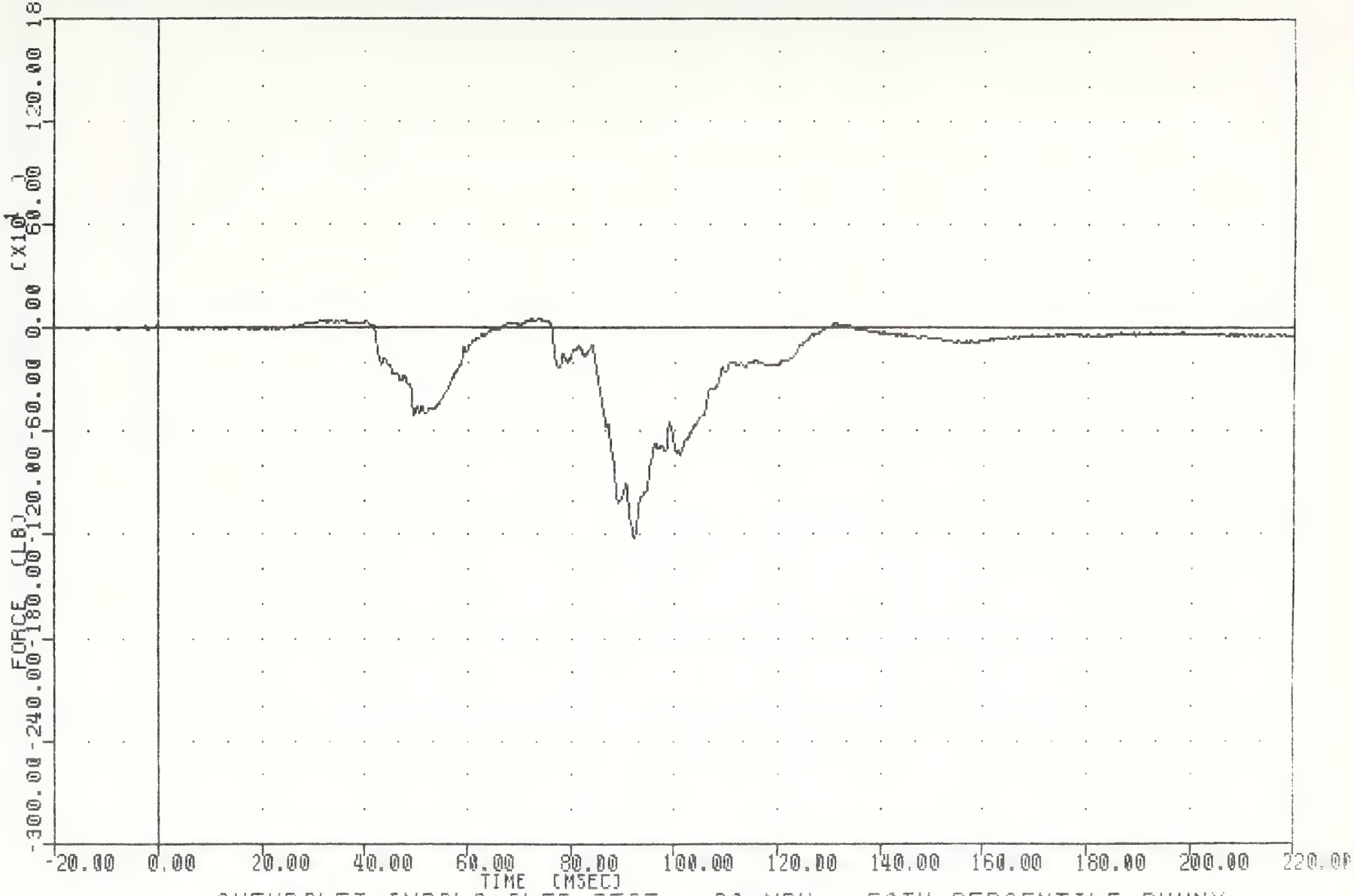


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

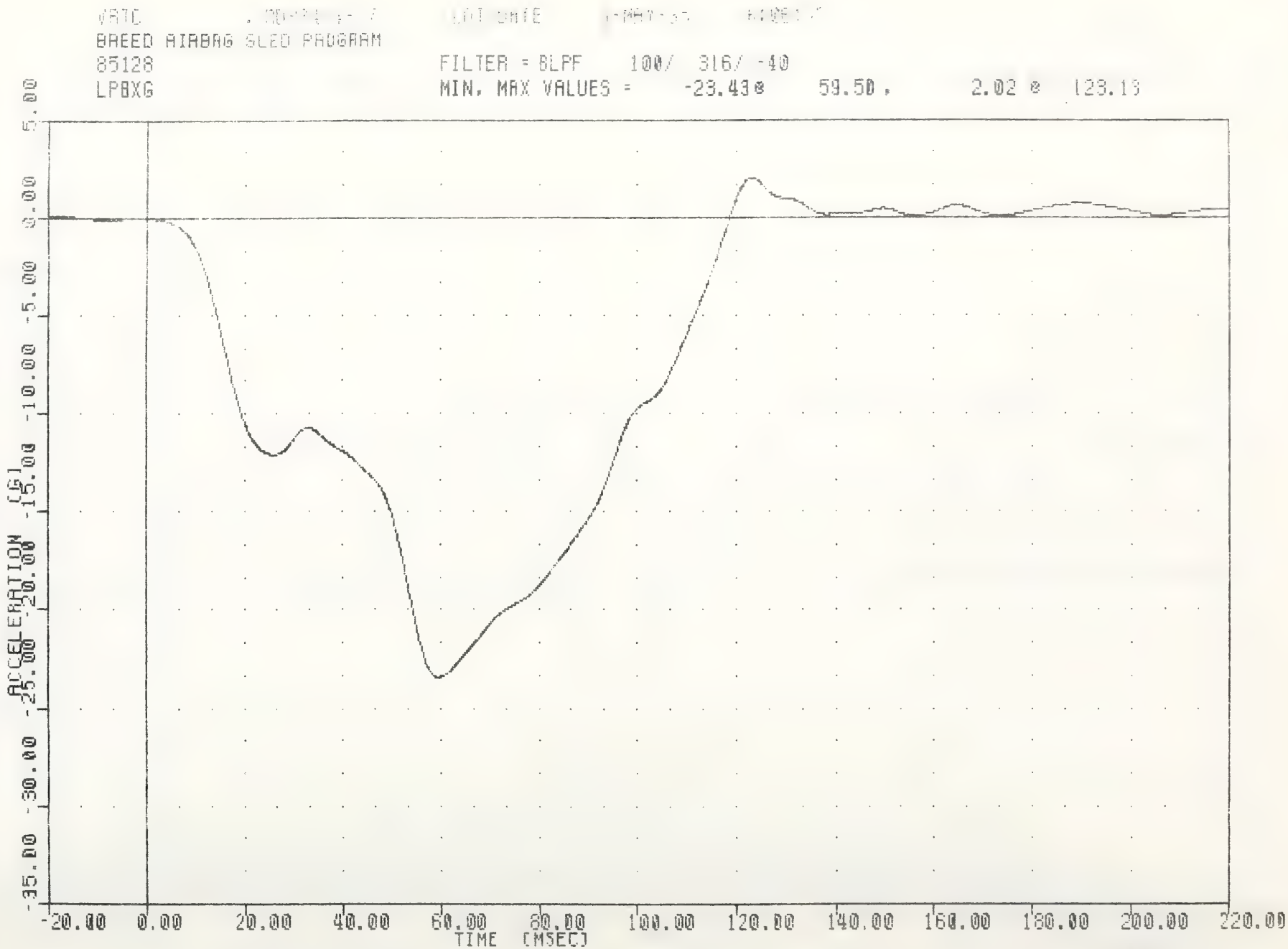


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 1000/ 3162/ -40
RFNF1 MIN, MAX VALUES = -1216.32@ 92.00 , 51.97 @ 72.13

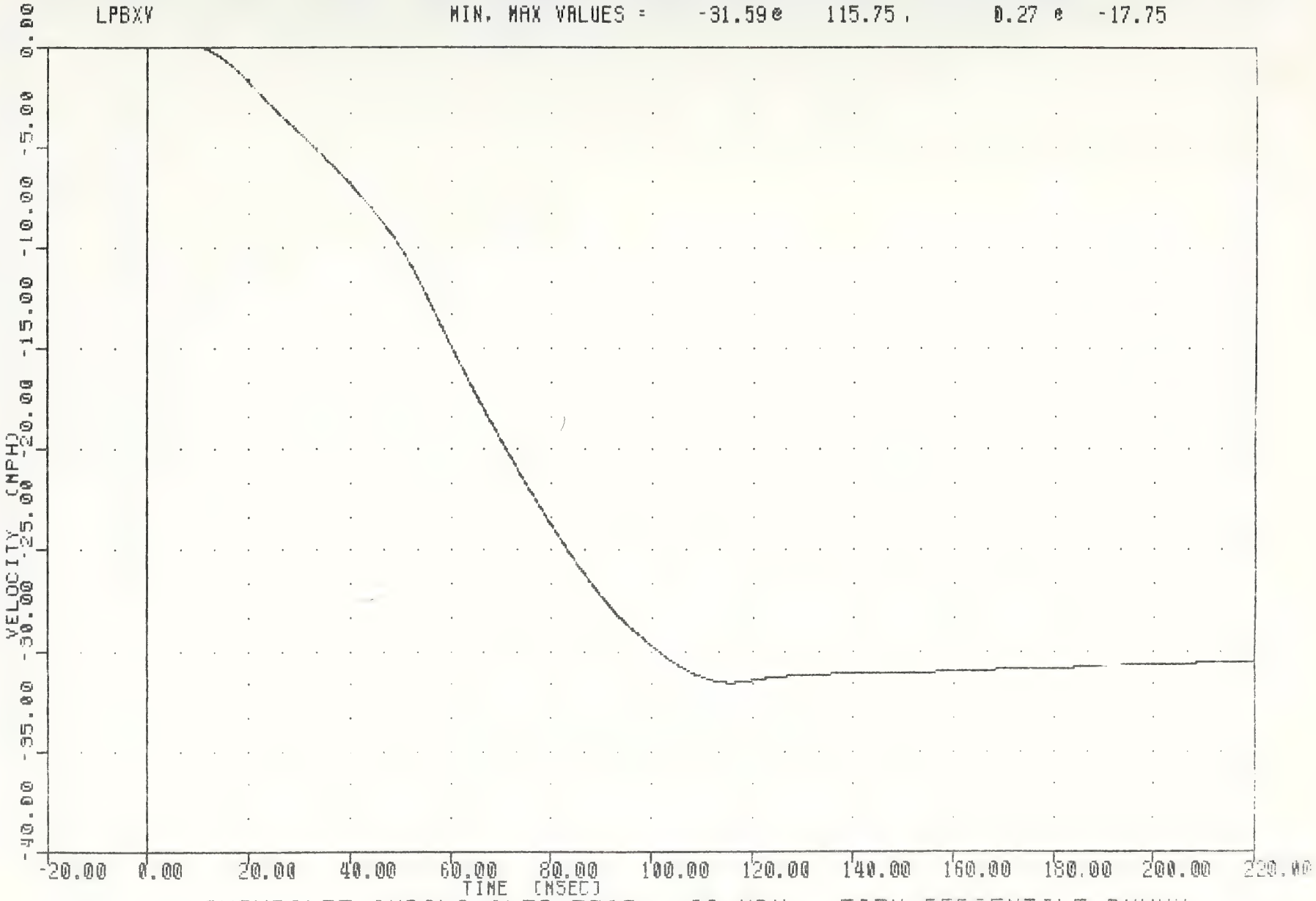


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

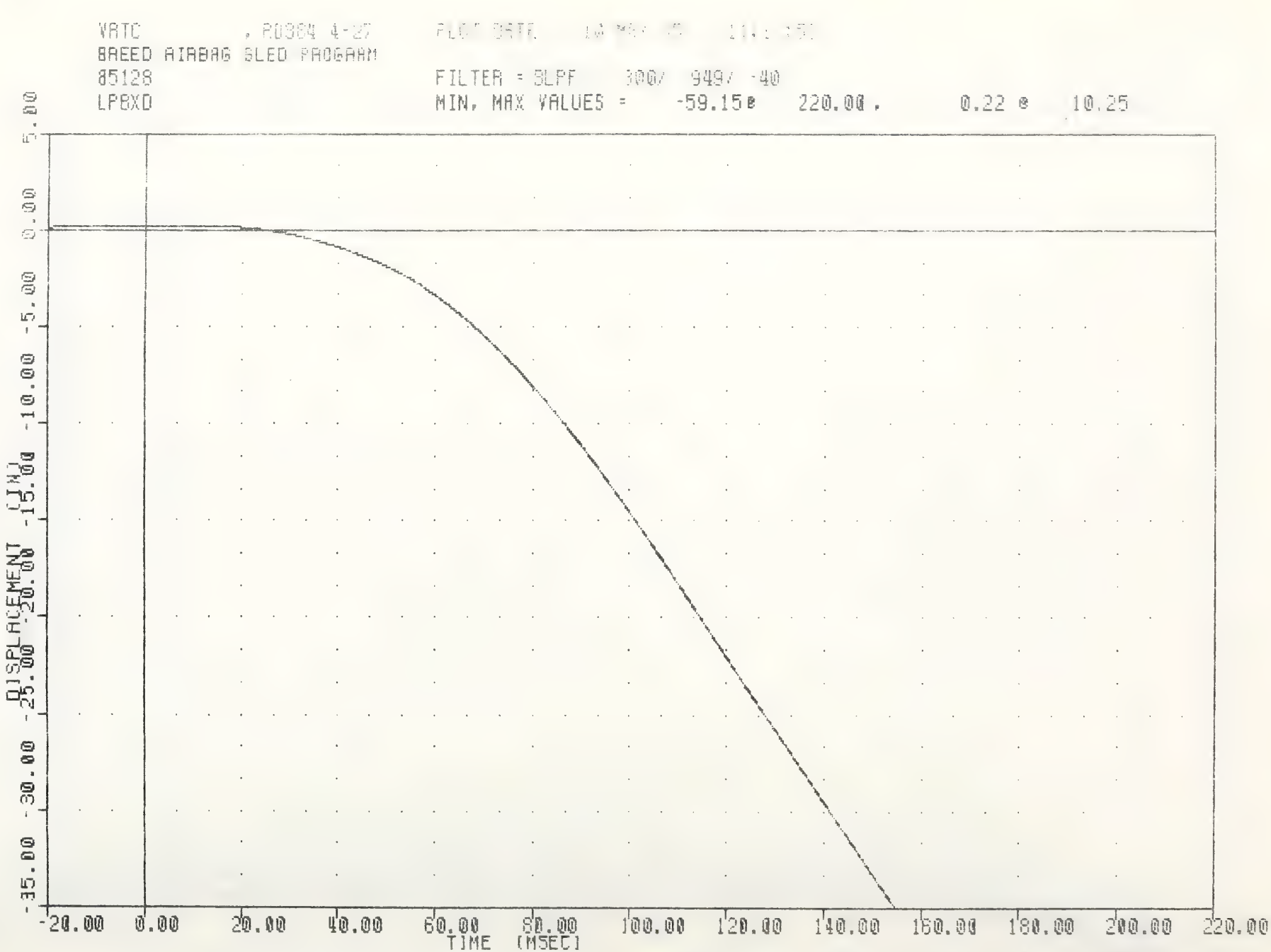


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

WATC , RD384-4-27 PLOT DATE 10-MAY-85 11:11:53
BREED AIRBAG SLED PROGRAM
8512B FILTER = BLPF 300/ 949/ -40
LPBXV MIN. MAX VALUES = -31.59@ 115.75 , 0.27 @ -17.75

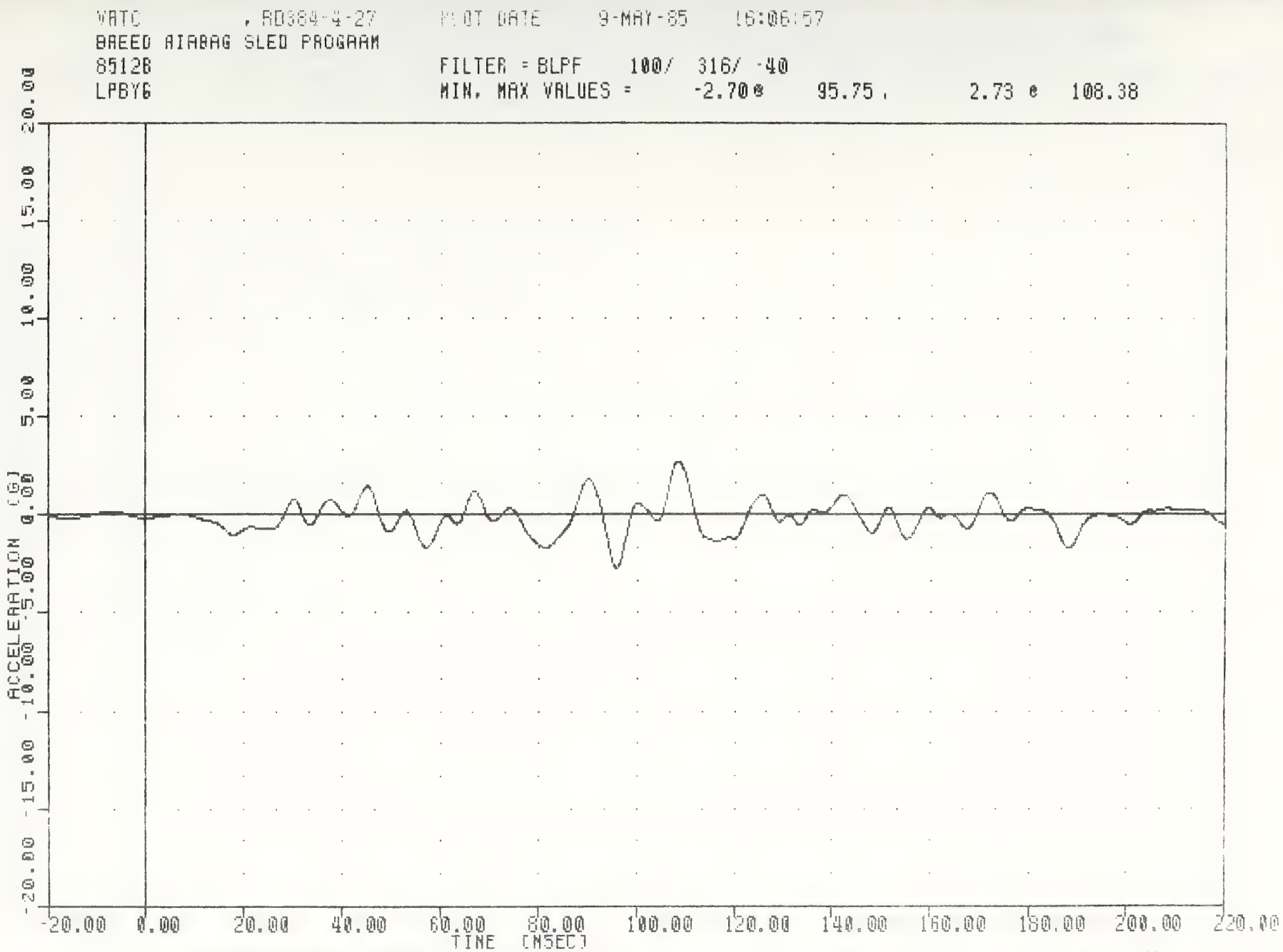


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

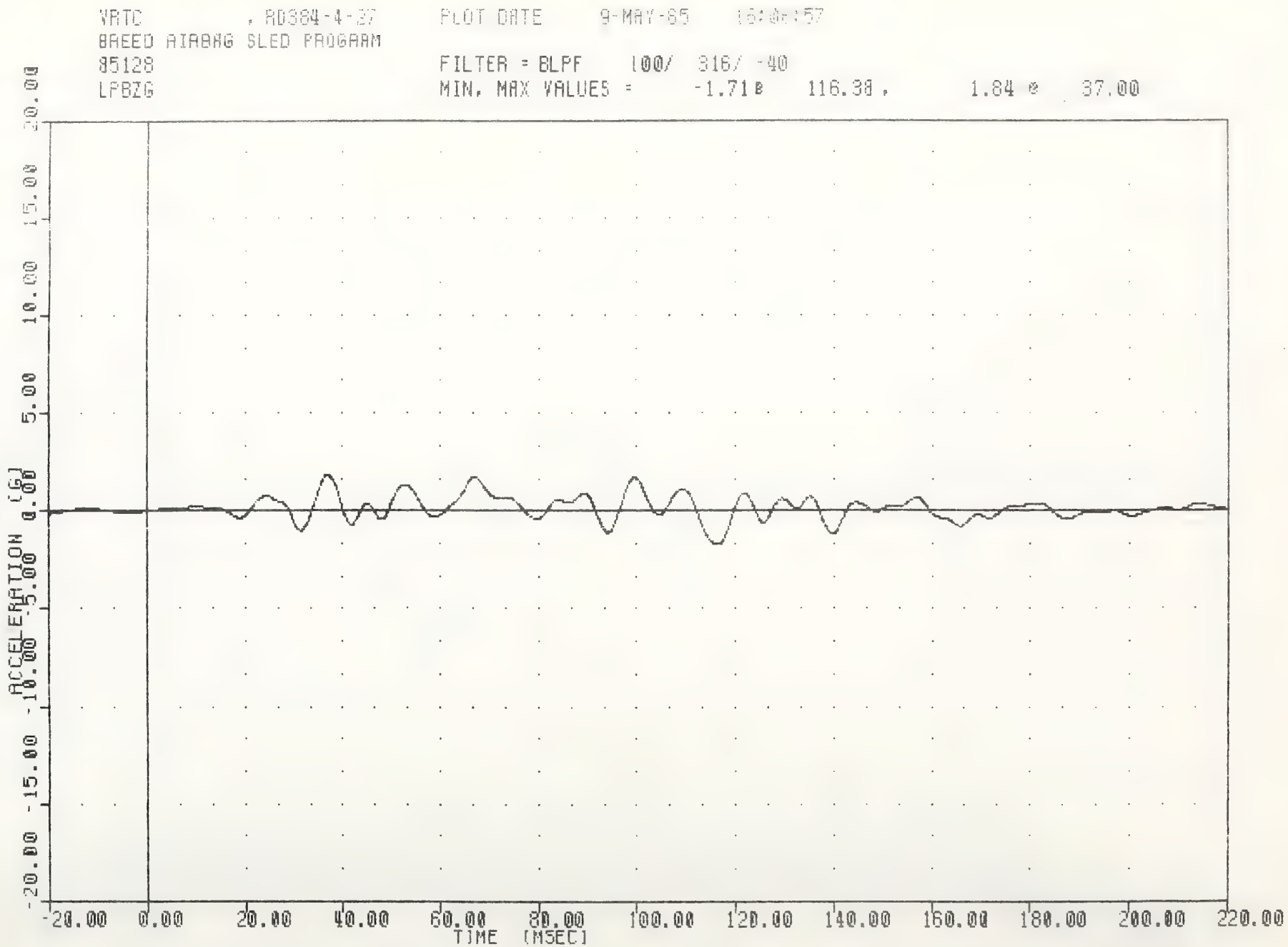


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA X USING LPBXV

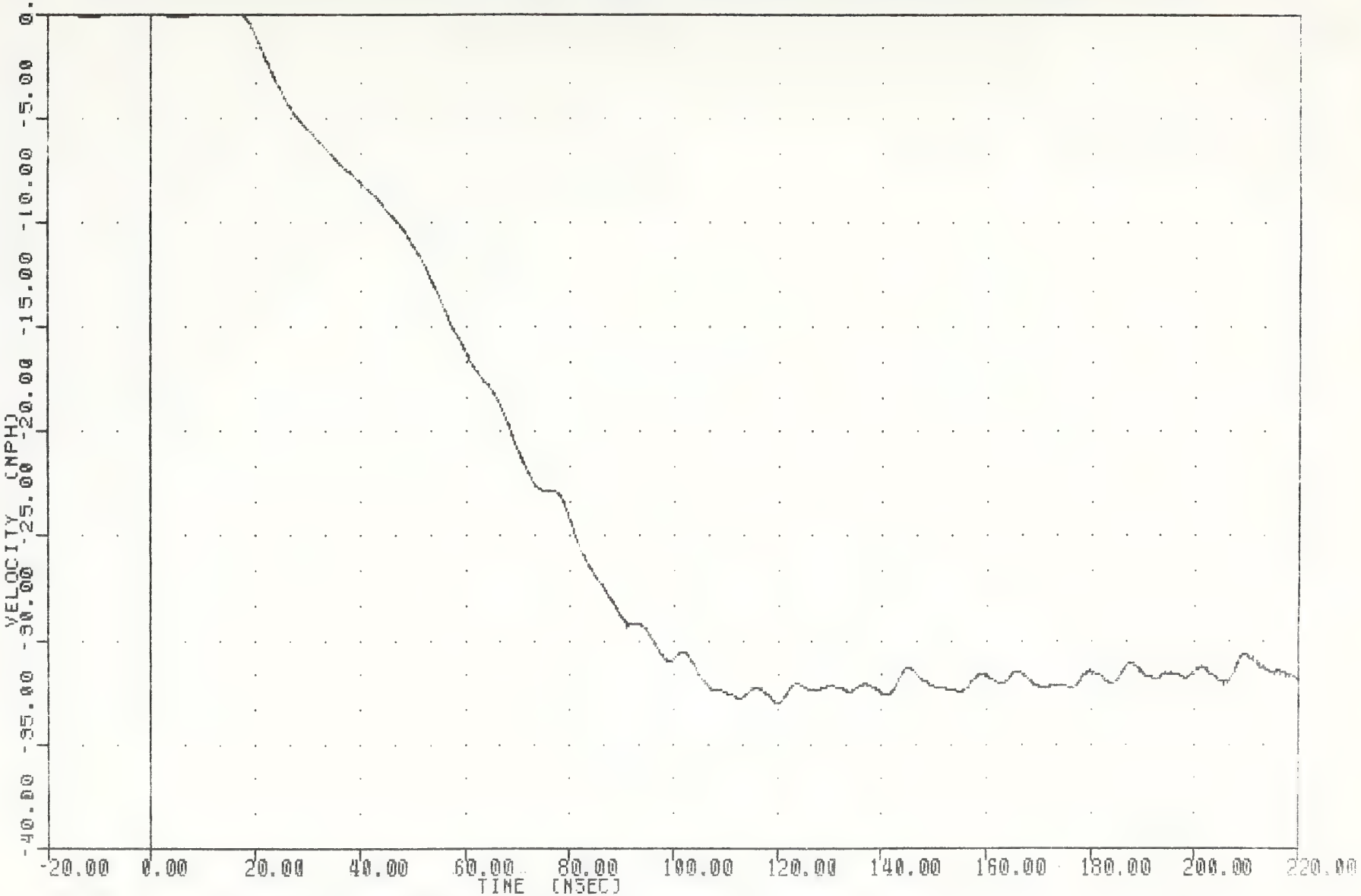


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



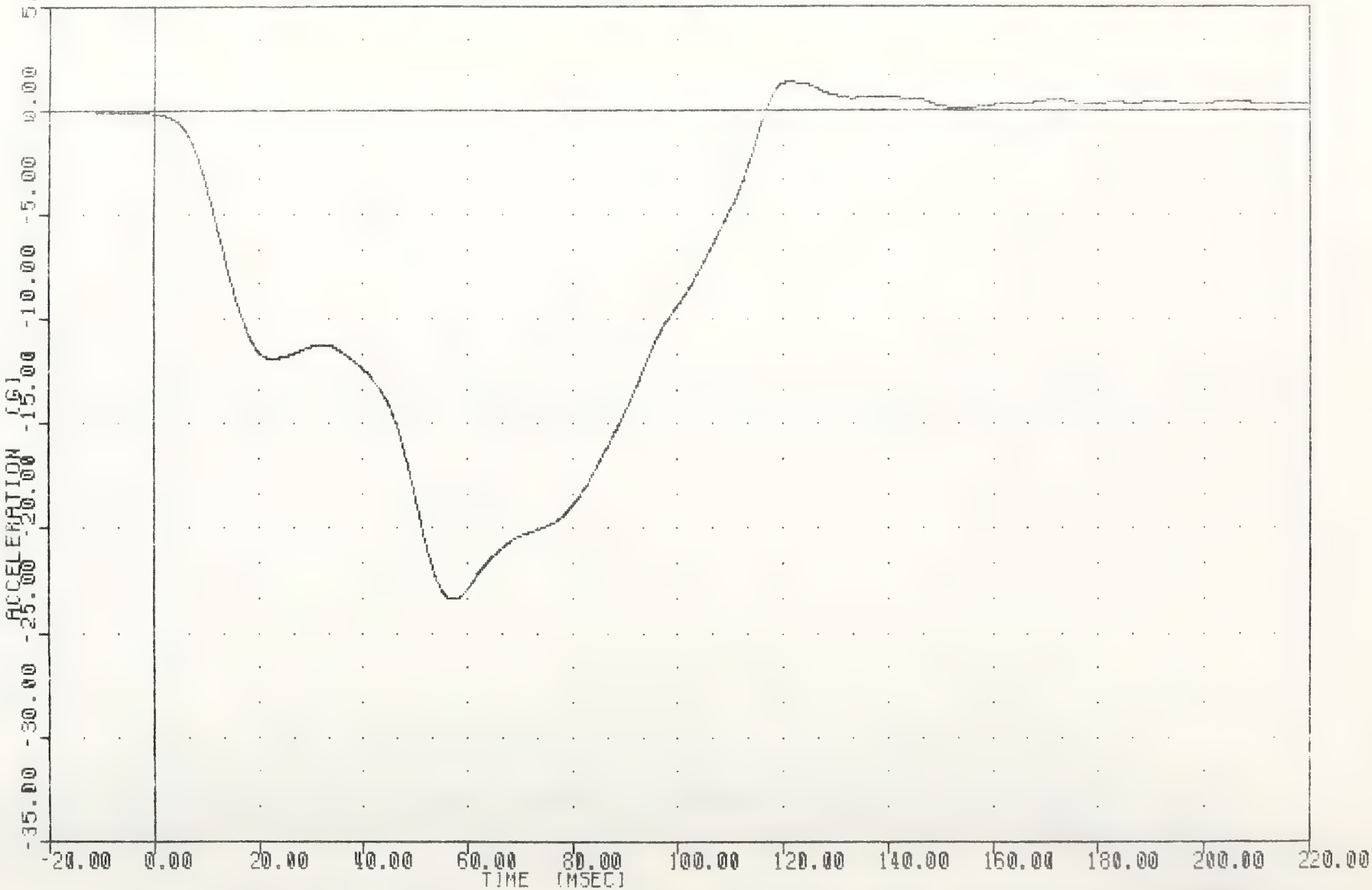
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
8512B FILTER = ALPF 100/ 316/ -40
SLDXV MIN, MAX VALUES = -33.01 @ 119.75 , 0.15 @ -20.00

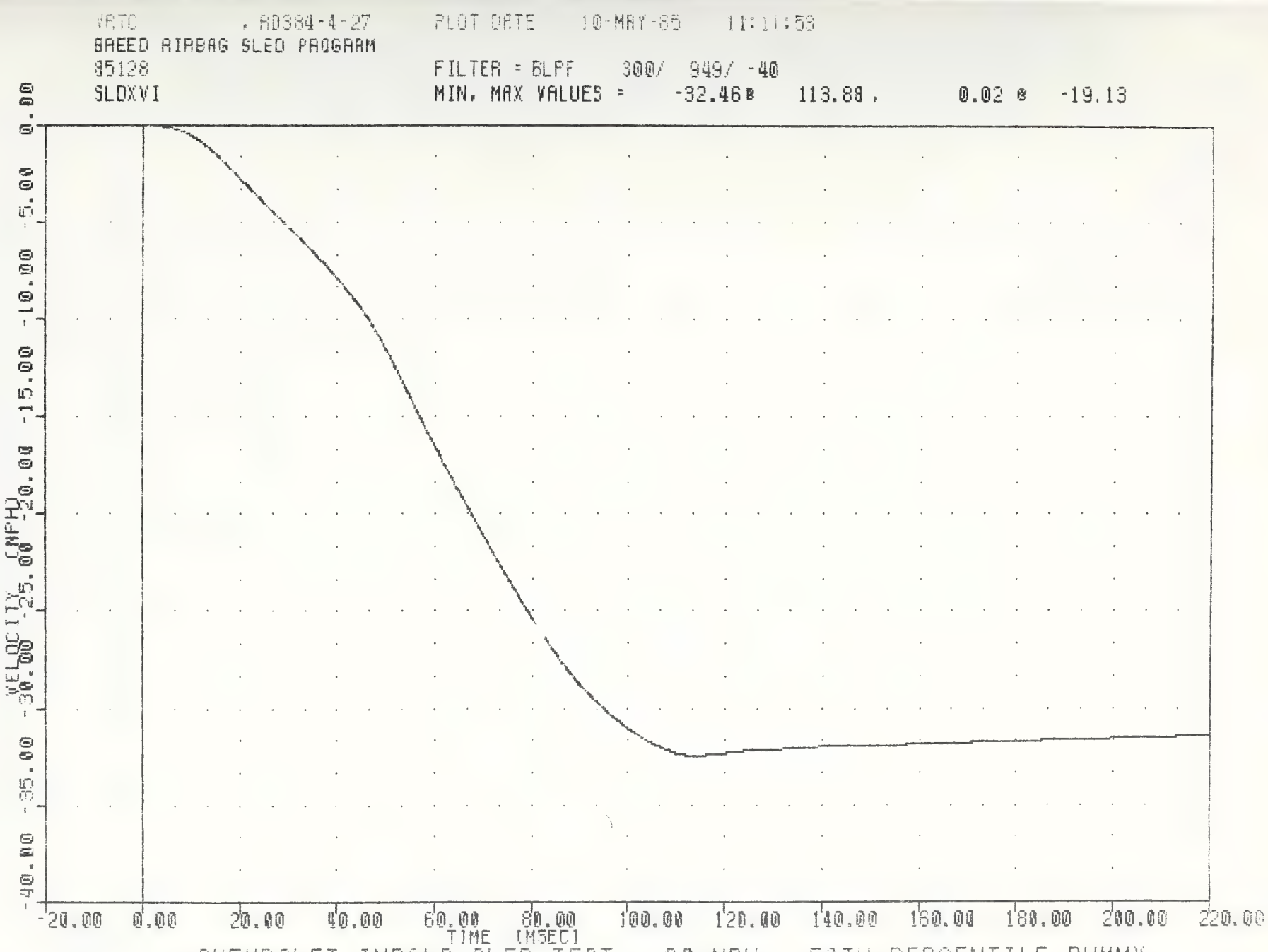


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , R0384-4-27 PLOT DATE 8-MAY-85 16:06:57
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 100/ 316/ -40
SLDXG MIN. MAX VALUES = -23.40 @ 57.38 , 1.32 @ 120.88

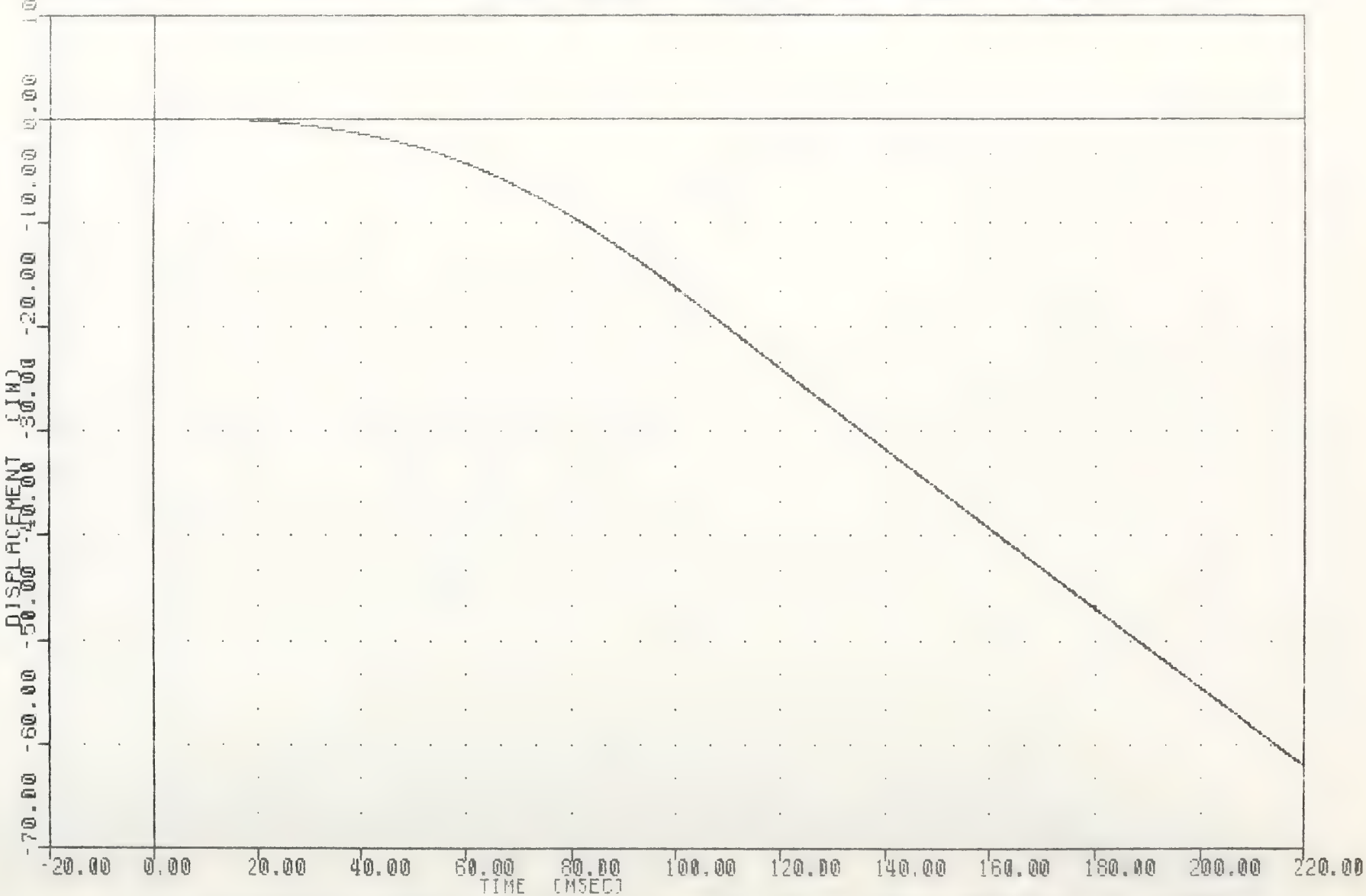


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION



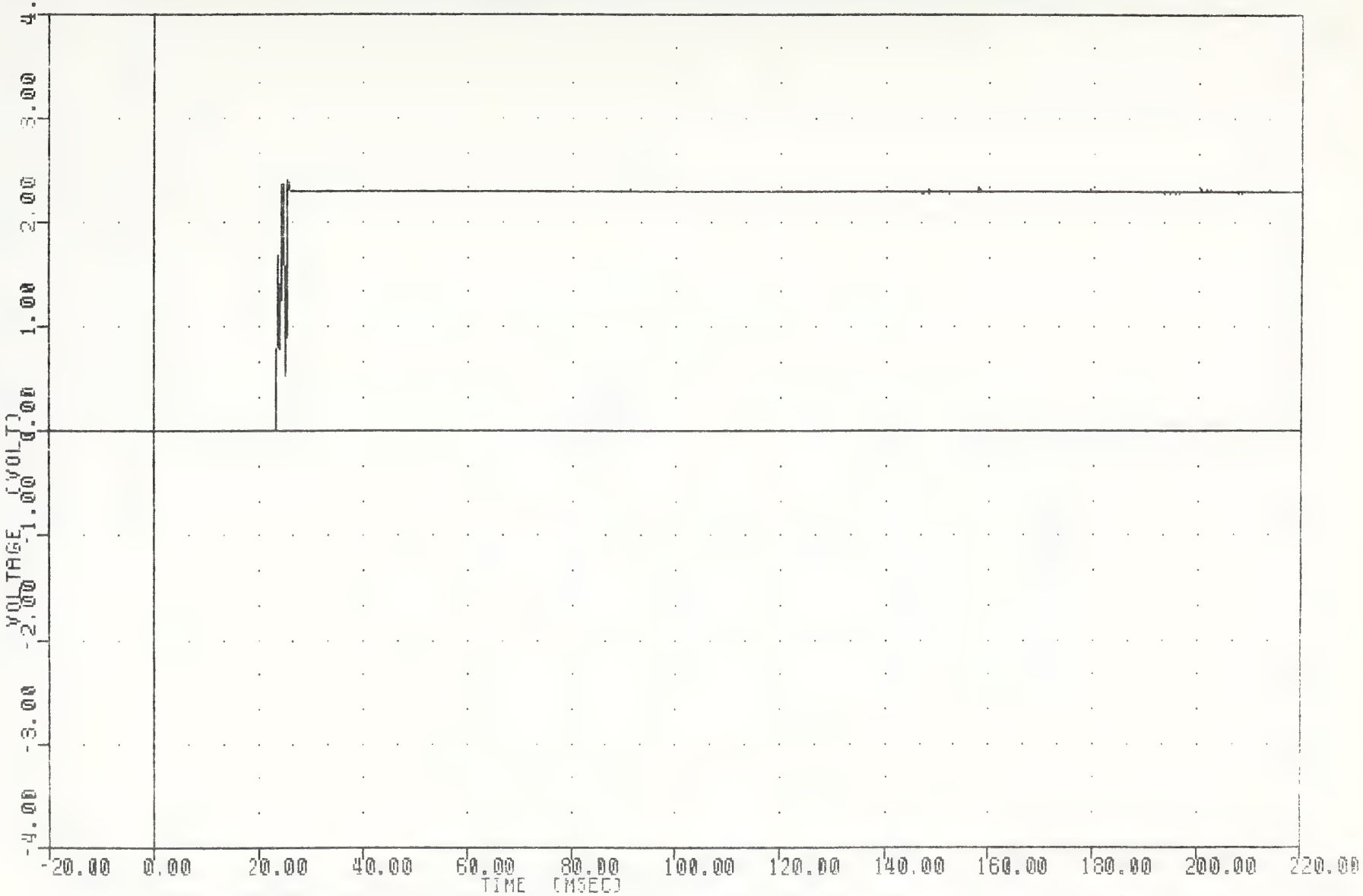
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD384-4-27 PLOT DATE 10-MAY-85 11:11:56
BREED AIABAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
SLOXD MIN, MAX VALUES = -62.140 220.00 , 0.01 @ -8.13



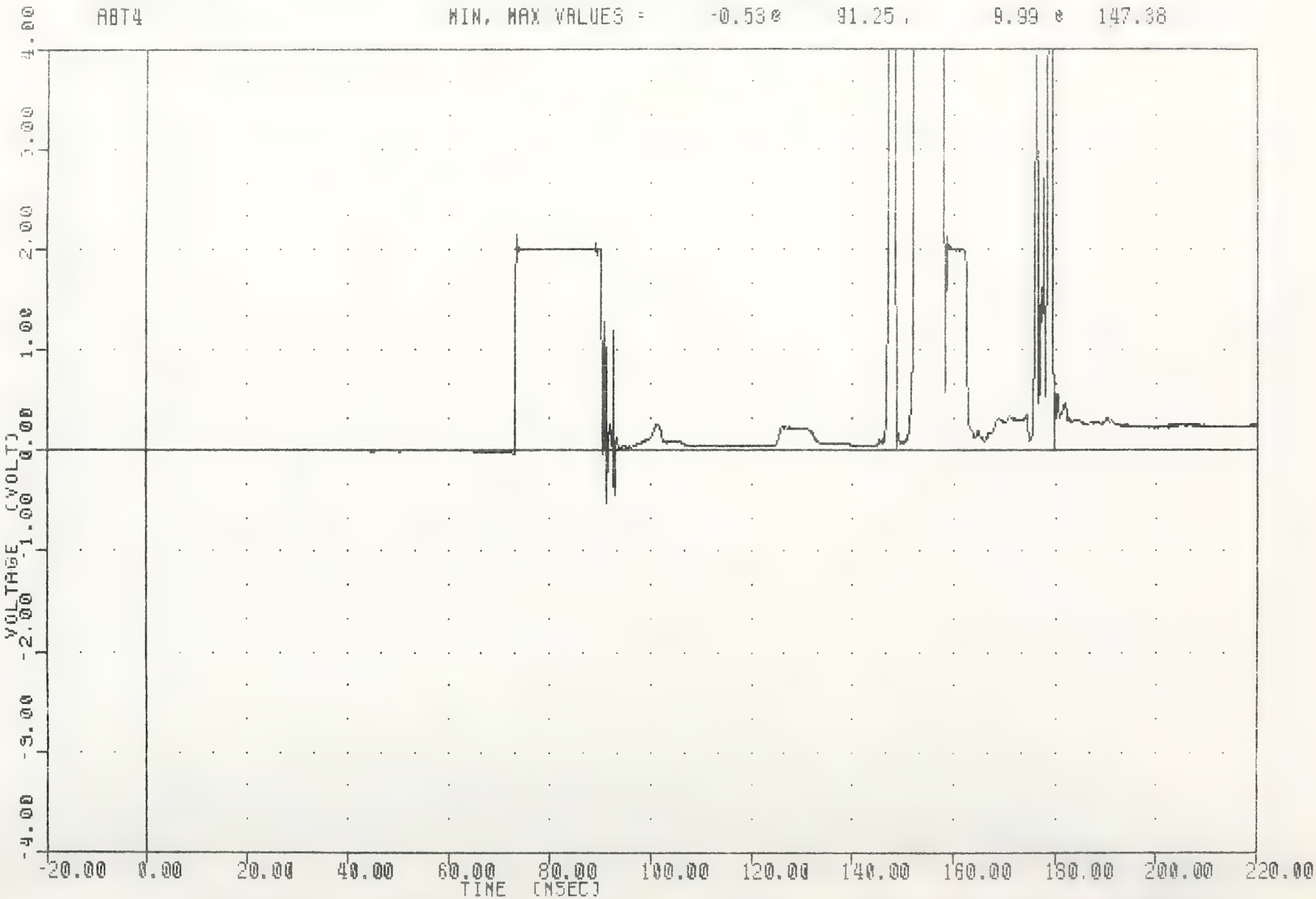
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLDXVI

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 16:06:57
BREED AIRBAG SLED PROGRAM
85128 FILTER = ALPF 1650/ 5214/ -40
ABT3 MIN, MAX VALUES = 0.00@ -0.25 , 2.40 @ 25.63



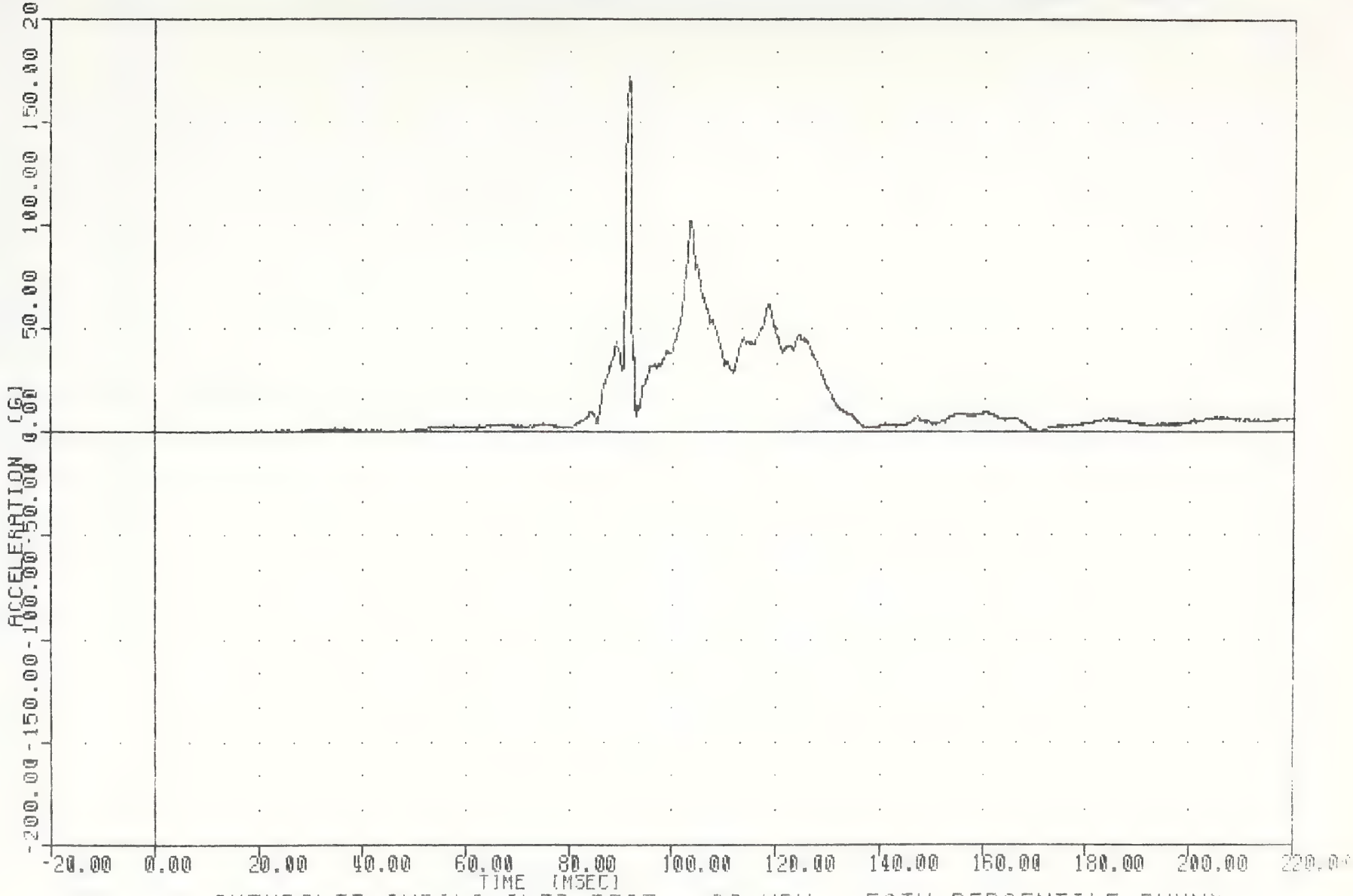
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

VATC , R0384-4-27 PLOT DATE 3-MAY-85 16:06:57
BREED AIRBAG SLED PROGRAM
8512B FILTER = ALPF 1650/ 5214/ -40
ABT4 MIN, MAX VALUES = -0.53@ 91.25, 9.99 @ 147.38

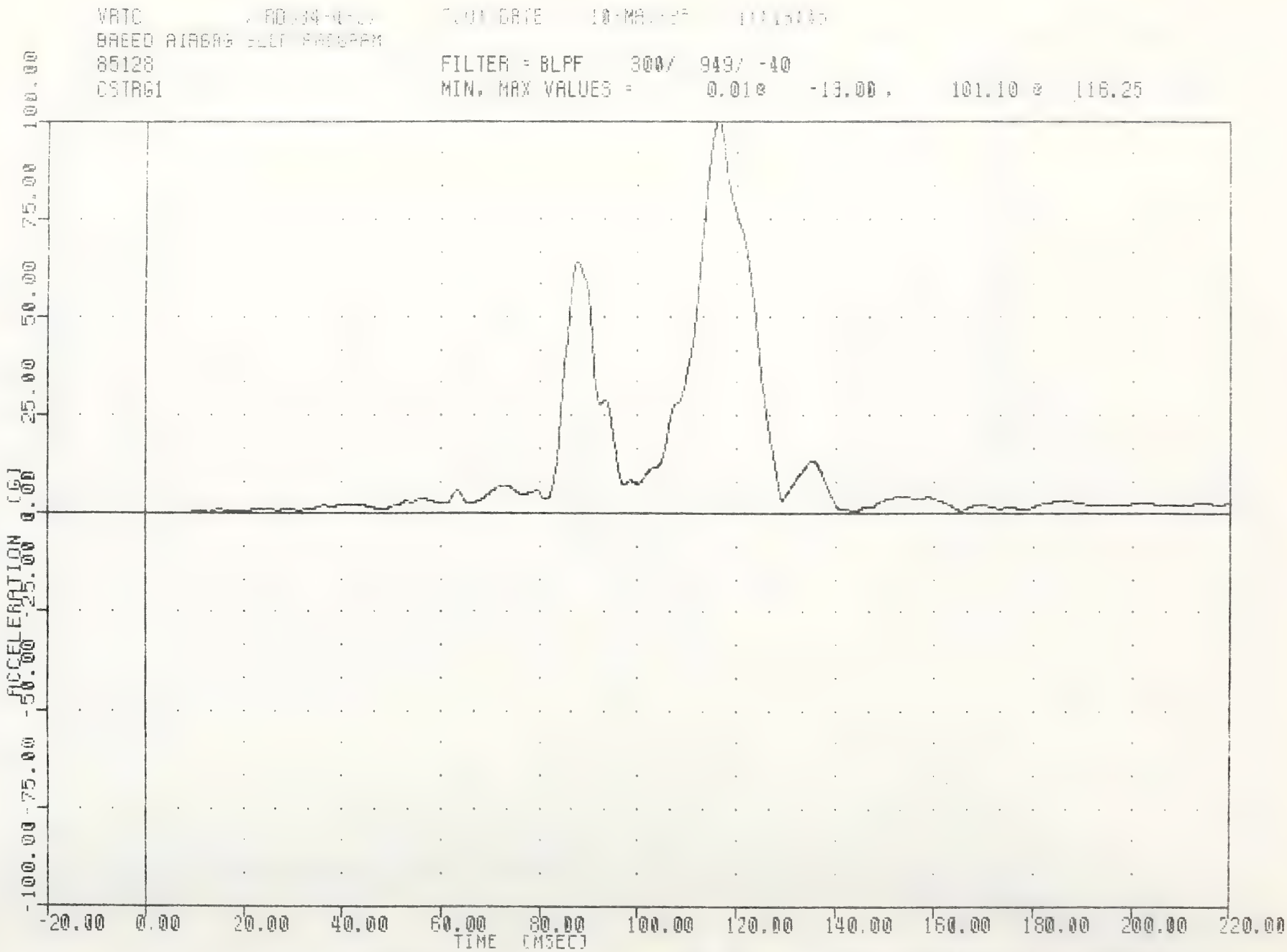


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , RD384-4-27 PLOT DATE 10-MAY-85 11:13:45
BREED AIRBAG SLED PROGRAM
85128 FILTER = ALPF 1650/ 5214/ -40
HEDRG1 MIN. MAX VALUES = 0.04 @ -11.75 , 172.30 @ 91.50

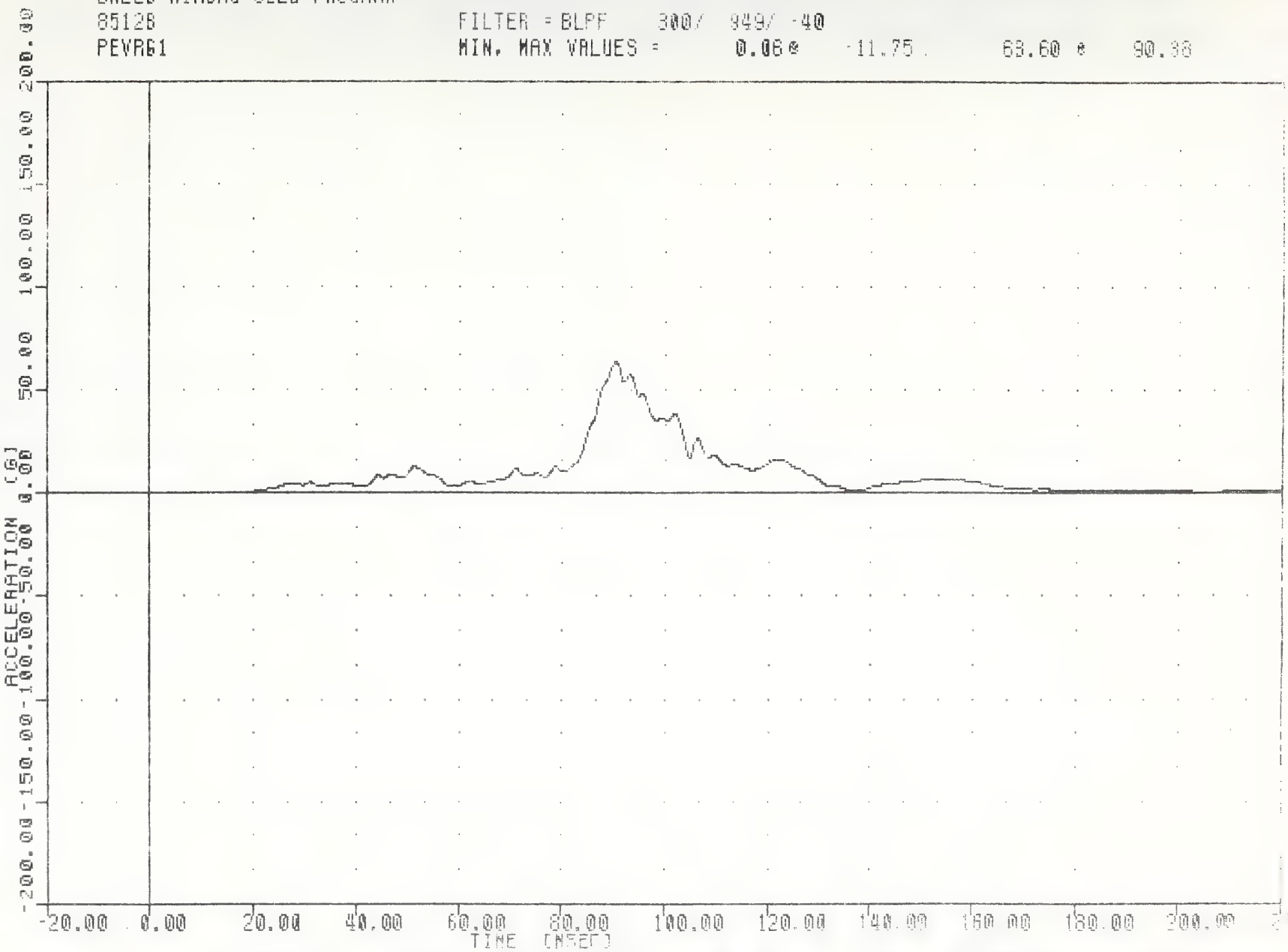


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT



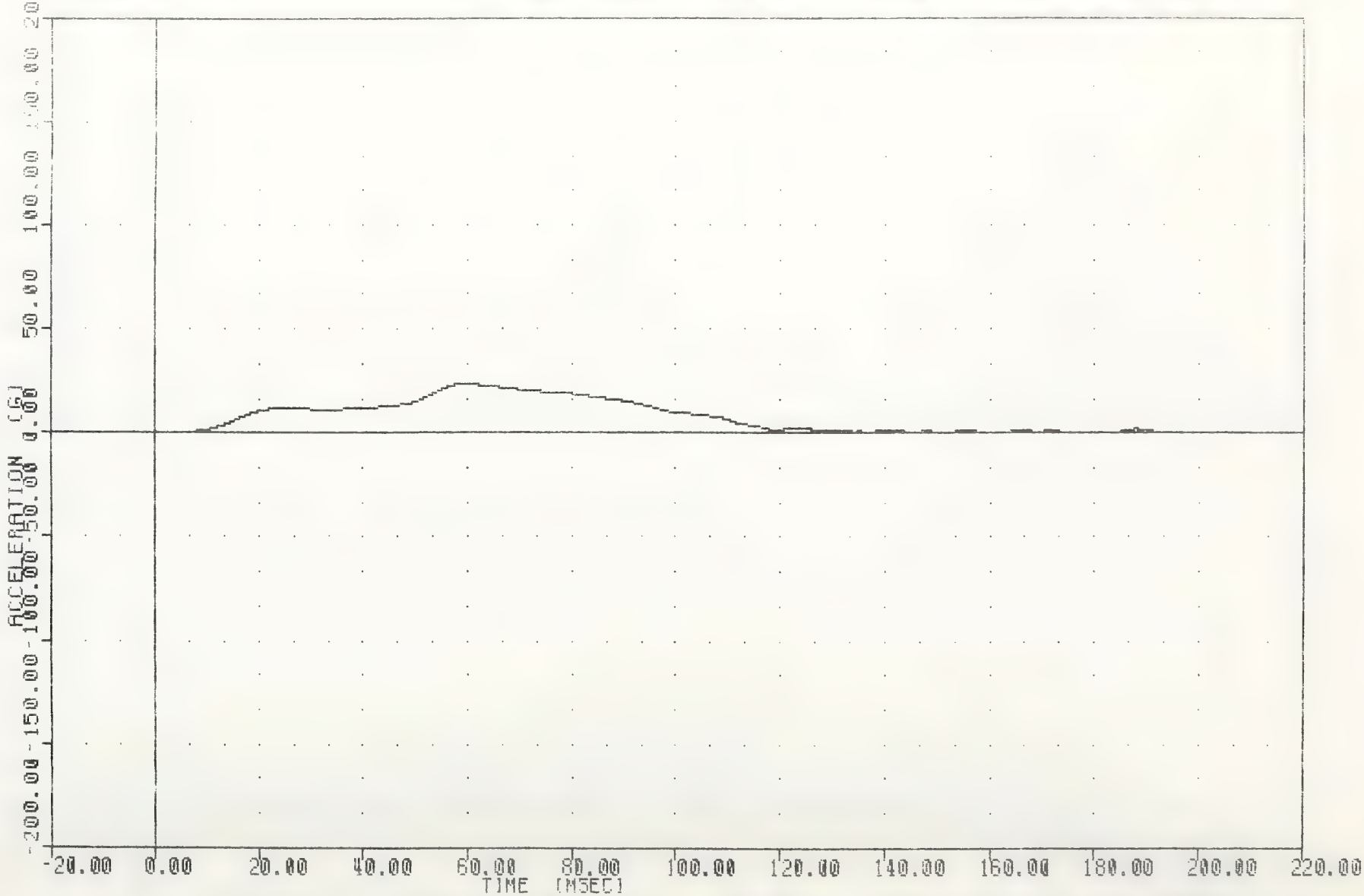
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRTC , RD384-4-27 PLOT DATE 10-MAY-86 11:13:45
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 849/ -40
PEVR61 MIN. MAX VALUES = 0.06@ -11.75 . 63.60 @ 90.38



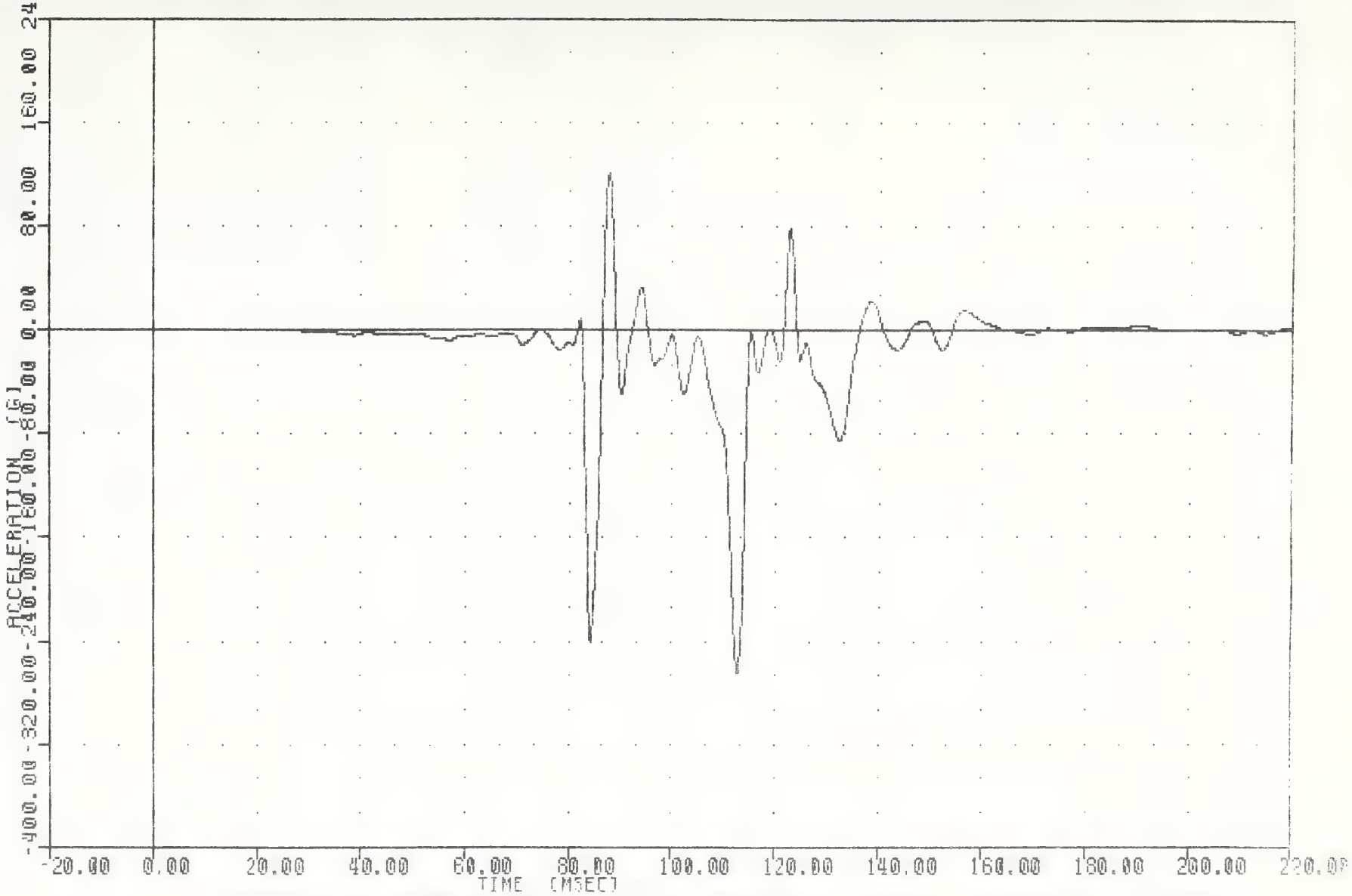
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

VRTC PLOT DATE
BREED AIRBPG
85128 FILTER = BLPF
LPBRG MIN. MAX VALUES = 0.12 @ -3.50 , 23.44 @ 59.38



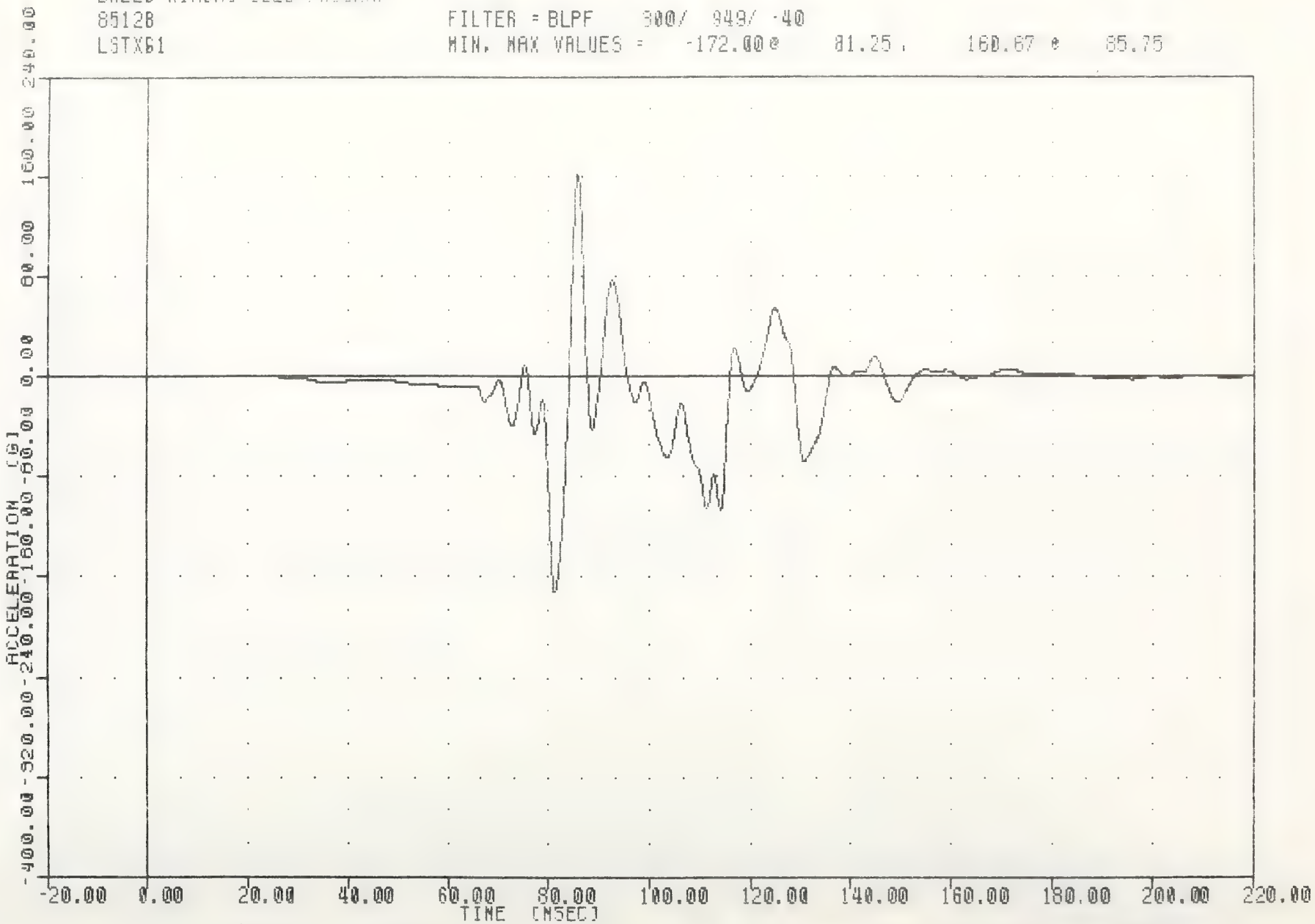
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT 2 RESULTANT

VRTC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
85128 FILTER = BLPF 300/ 949/ -40
USTXG1 MIN. MAX VALUES = -264.83@ 112.88 , 120.63 @ 87.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION Y AXIS

VATC , RD384-4-27 PLOT DATE 9-MAY-85 15:54:01
BREED AIRBAG SLED PROGRAM
8512B FILTER = BLPF 300/ 949/ -40
LSTXG1 MIN, MAX VALUES = -172.00 @ 81.25 , 160.67 @ 85.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC435P.RAD;1
VRTC RD384-4-28 BREED AIRBAG SLED PROGRAM 10-MAY-85 10:08
85129 40.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	-0.027 @ 37.875	1.533 @ -3.750 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-43.580 @ 136.250	0.154 @ -6.375 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-28.430 @ 56.375	1.172 @ 133.250 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-174.094 @ 99.750	8.212 @ 219.375 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-27.434 @ 100.875	2.779 @ 93.750 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-0.651 @ 0.625	84.300 @ 84.250 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-49.866 @ 91.750	8.837 @ 219.625 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-15.598 @ 111.375	9.038 @ 88.500 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-12.706 @ 101.875	11.649 @ 69.000 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-95.954 @ 90.625	7.930 @ 220.000 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-63.357 @ 89.625	3.033 @ 219.375 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-33.192 @ 76.250	2.032 @ 113.750 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-6.157 @ 47.125	6.602 @ 98.250 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-36.462 @ 88.625	2.303 @ 220.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-294.789 @ 42.125	193.902 @ 68.500 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-499.750 @ 46.750	344.621 @ 76.500 msec	lb	BLPF 1000/ 3162/ -40
17	LPBXG	-27.912 @ 59.625	0.970 @ 157.125 msec	g	BLPF 100/ 316/ -40
18	LPBYG	-1.648 @ 94.500	1.961 @ 35.375 msec	g	BLPF 100/ 316/ -40
19	LPBZG	-1.037 @ 120.000	1.728 @ 33.000 msec	g	BLPF 100/ 316/ -40
20	SHBF1	-0.483 @ -17.750	2761.990 @ 88.250 msec	lb	BLPF 100/ 316/ -40
21	LBOF1	-0.496 @ -18.500	1917.465 @ 83.125 msec	lb	BLPF 100/ 316/ -40
22	ABT3	-0.008 @ 0.000	2.399 @ 23.250 msec	volt	ALPF 1650/ 5214/ -40
23	ABT4	-0.093 @ 86.500	2.168 @ 83.375 msec	volt	ALPF 1650/ 5214/ -40

TRC435IP.RAD;1
VRTC RD384-4-28 BREED AIRBAG SLED PROGRAM 10-MAY-85 10:08
85129 40.00 mph

633

		Min value	Max value	Data Units	Filter
1	HEDXV1	-50.645 @ 158.250	0.141 @ 49.125 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-71.475 @ 220.000	-0.095 @ -20.000 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-52.944 @ 205.500	-0.063 @ 4.000 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-83.041 @ 220.000	-0.042 @ -20.000 msec	in	300/ 949/ -40
5	PEVXV1	-29.430 @ 109.000	-0.209 @ -9.250 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-51.595 @ 220.000	-0.107 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXVI	-43.443 @ 126.750	-0.014 @ -15.500 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-80.683 @ 220.000	-0.008 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-42.515 @ 129.250	-0.004 @ -10.250 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-77.819 @ 220.000	0.003 @ -20.000 msec	in	BLPF 300/ 949/ -40

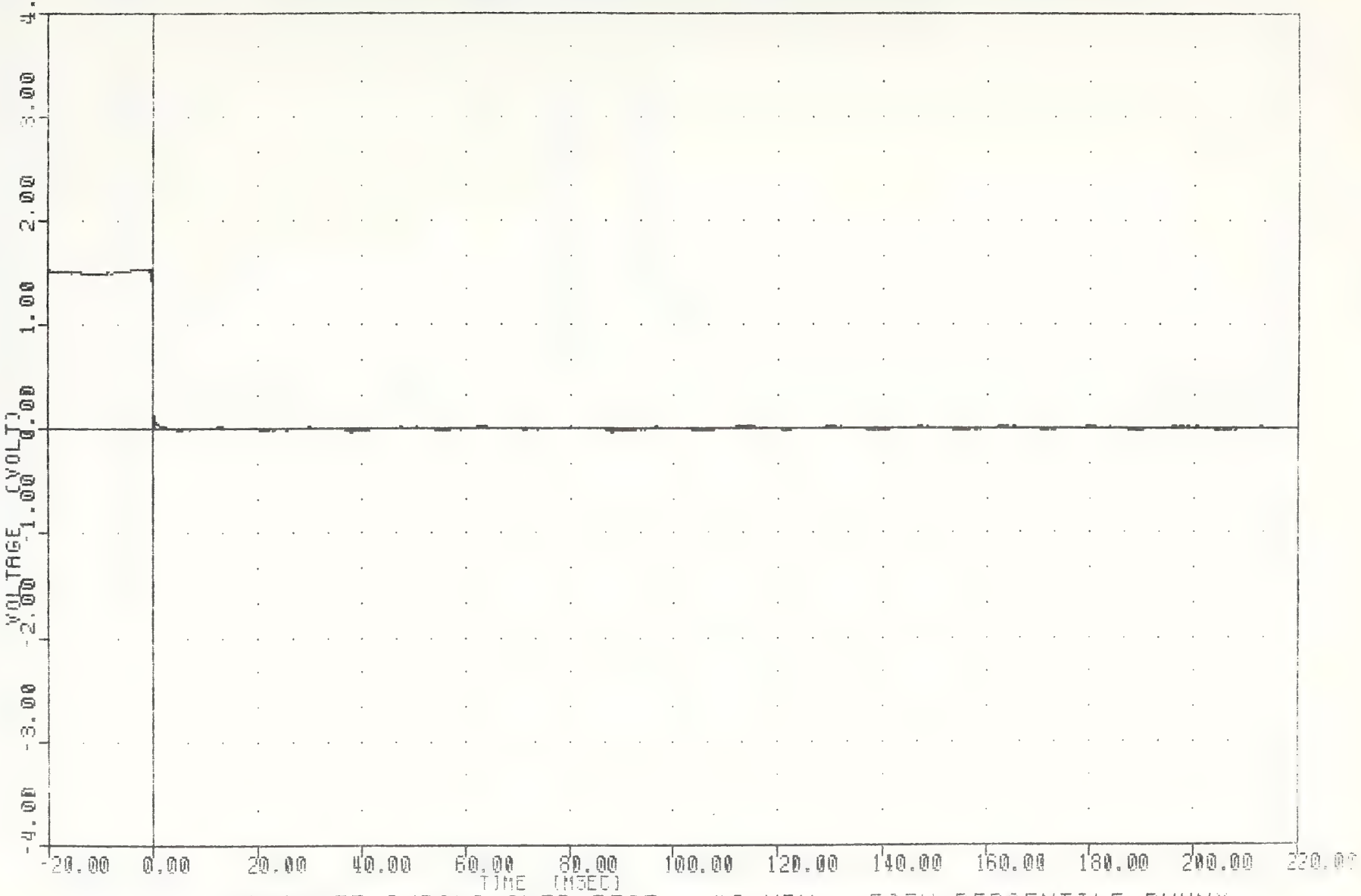
TRC435RP.RAD;1
VRTC RD384-4-28 BREED AIRBAG SLED PROGRAM 10-MAY-85 10:11
85129 40.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.020 @ -12.625	178.558 @ 99.750 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.011 @ -15.375	50.192 @ 91.750 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.040 @ 5.000	47.867 @ 83.375 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.051 @ -7.375	27.937 @ 59.500 msec	g	BLPF 100/ 316/ -40

```
HIC --  Head Injury Criterion computed from a single channel


TRC435RP.RAD;1
 VRTC        RD384-4-28  BREED AIRBAG SLED PROGRAM
 85129       40.00 mph


Enter channel [,stop time] -> HEDRG1


* * *   HIC computation for HEDRG1                              10-MAY-85 13:36

   Using time range =   0.000 to 220.000 msec     Peak accel = 178.56 @  99.750

HIC = 1503.51     Interval from  76.000 [ 769] to 111.875 [1056]

HIC = 1247.30     Interval from  95.625 [ 926] to 102.000 [ 977]
Enter channel [,stop time] -> ^Z
```

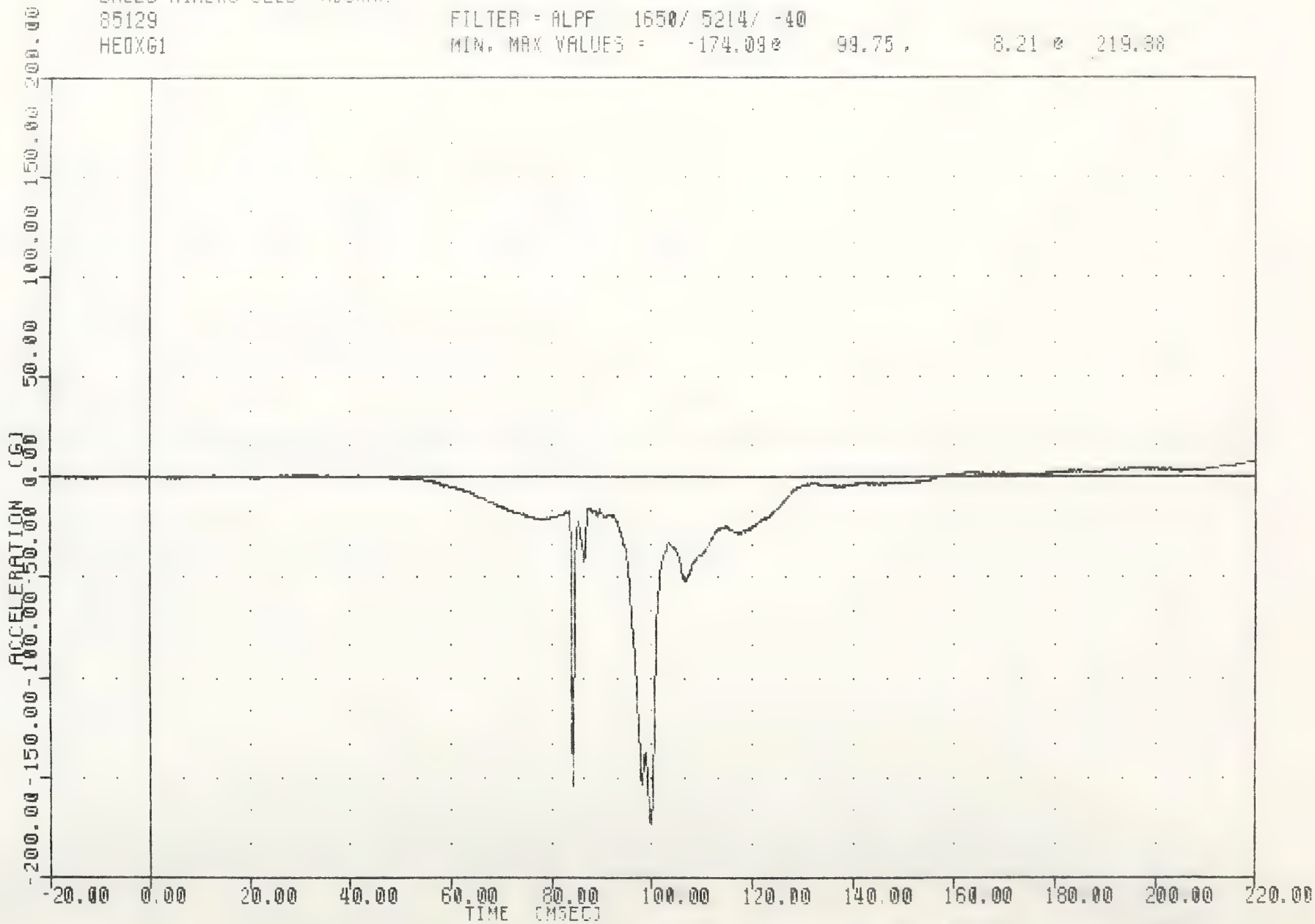
```
  R SYSP:THREEMS
*** Three ms clip program for chest resultant channel   ***

THREEMS -- Display greatest value over a 3 ms. period


Enter input filespec  -> TRC435RP

File TRC435RP  ->  4 data channels from   -20.000 to   220.000 msec
Reference channel length = 1921, Deltax =   0.125000
VRTC        RD384-4-28  BREED AIRBAG SLED PROGRAM        40.00 mph
    HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name  -> CSTRG1

[SLED.BREED]TRC435RP.RAD;1                                VRTC        RD384-4-28
BREED AIRBAG SLED PROGRAM        40.0 mph      85129         10-MAY-85 10:18:22
Deltax: 0.125

3 MS CLIP PEAK:    48.39633

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak


Enter channel name  -> ^Z

Enter input filespec  -> ^Z
$
```

VRTC . RD384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = ALPF 1650/ 5214/ -40
EVENT MIN. MAX VALUES = -0.03@ 37.88 , 1.53 @ -3.75



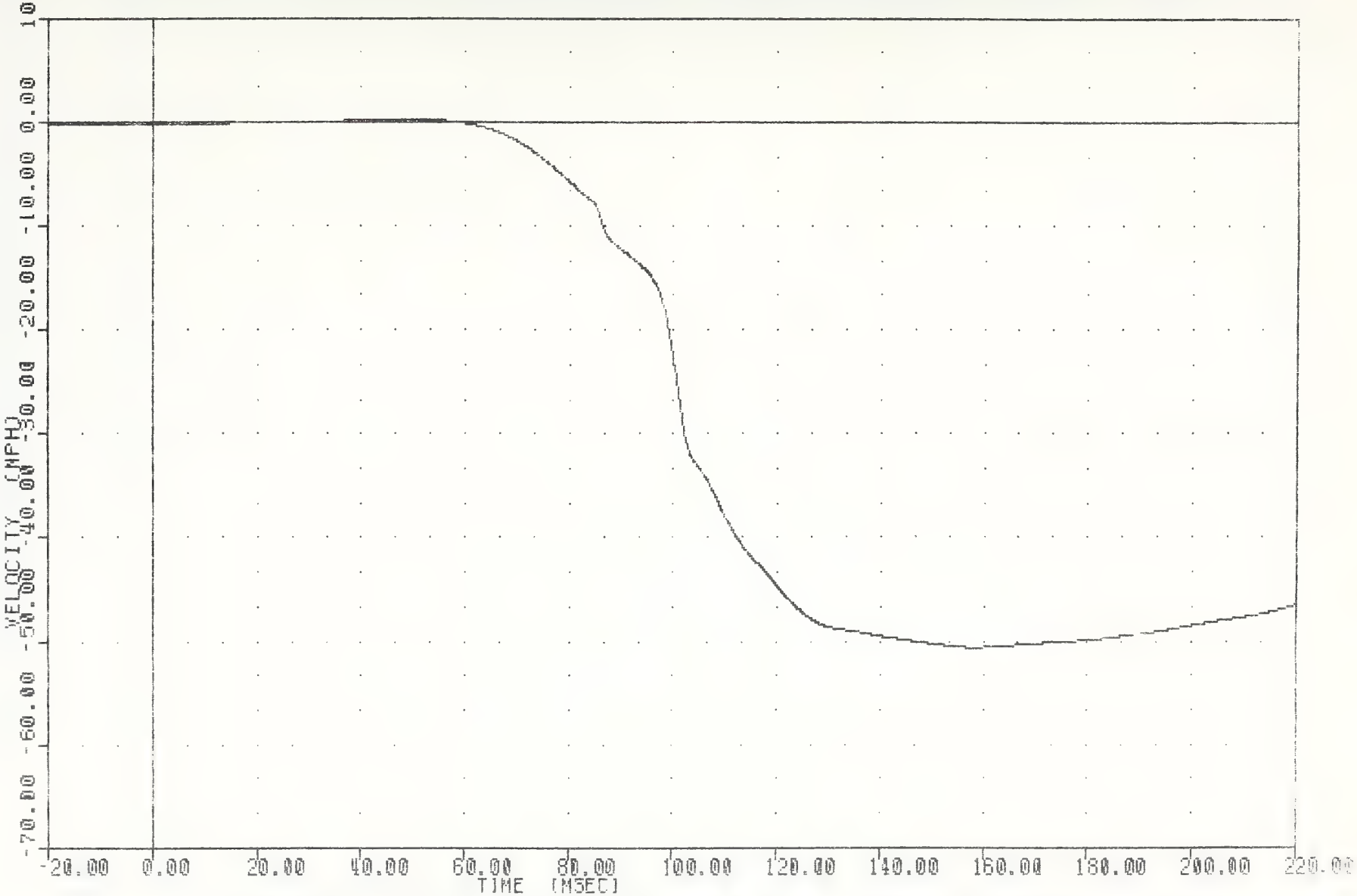
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

EVENT



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION (A-13

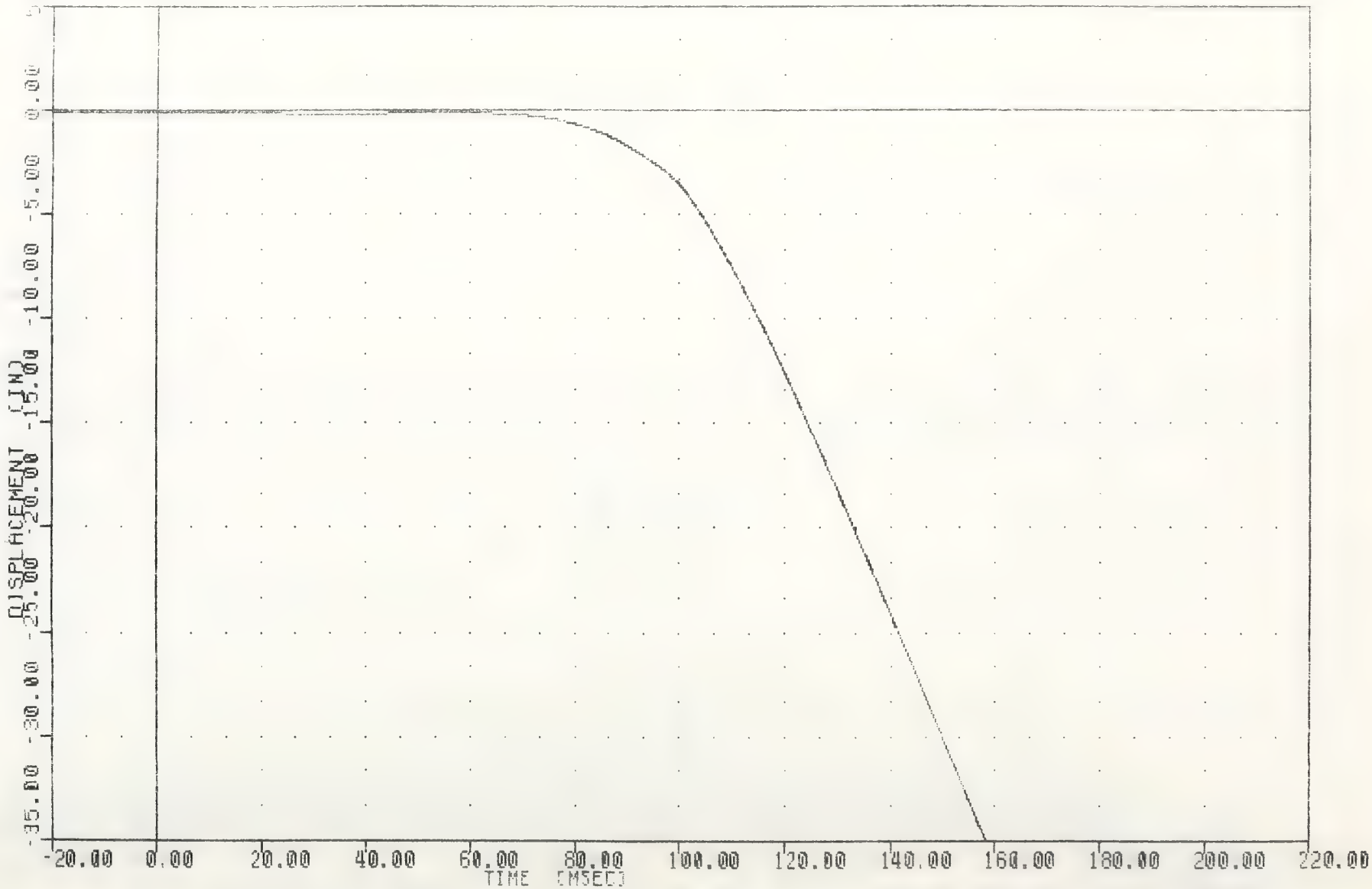
VRTC , RD384-4-28 PLOT DATE 10-MAY-85 12:11:53
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
HEDXV1 MIN. MAX VALUES = -50.65 @ 158.25 . 0.14 @ 49.13



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXV1

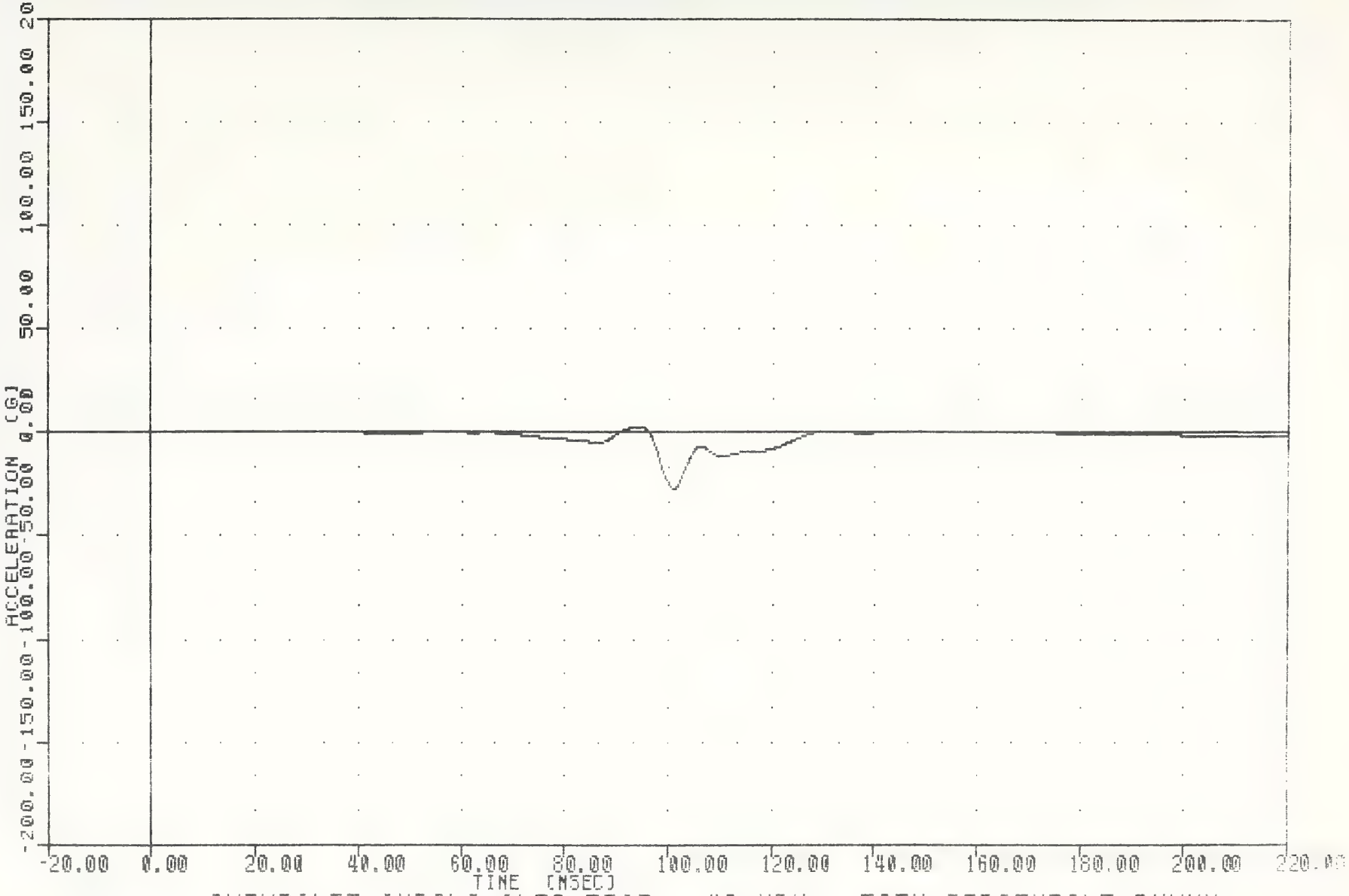
VRTC
BREED AIRBAG SLED PROGRAM
85129
HEDXD1

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -71.47@ 220.00 , -0.10 @ -20.00

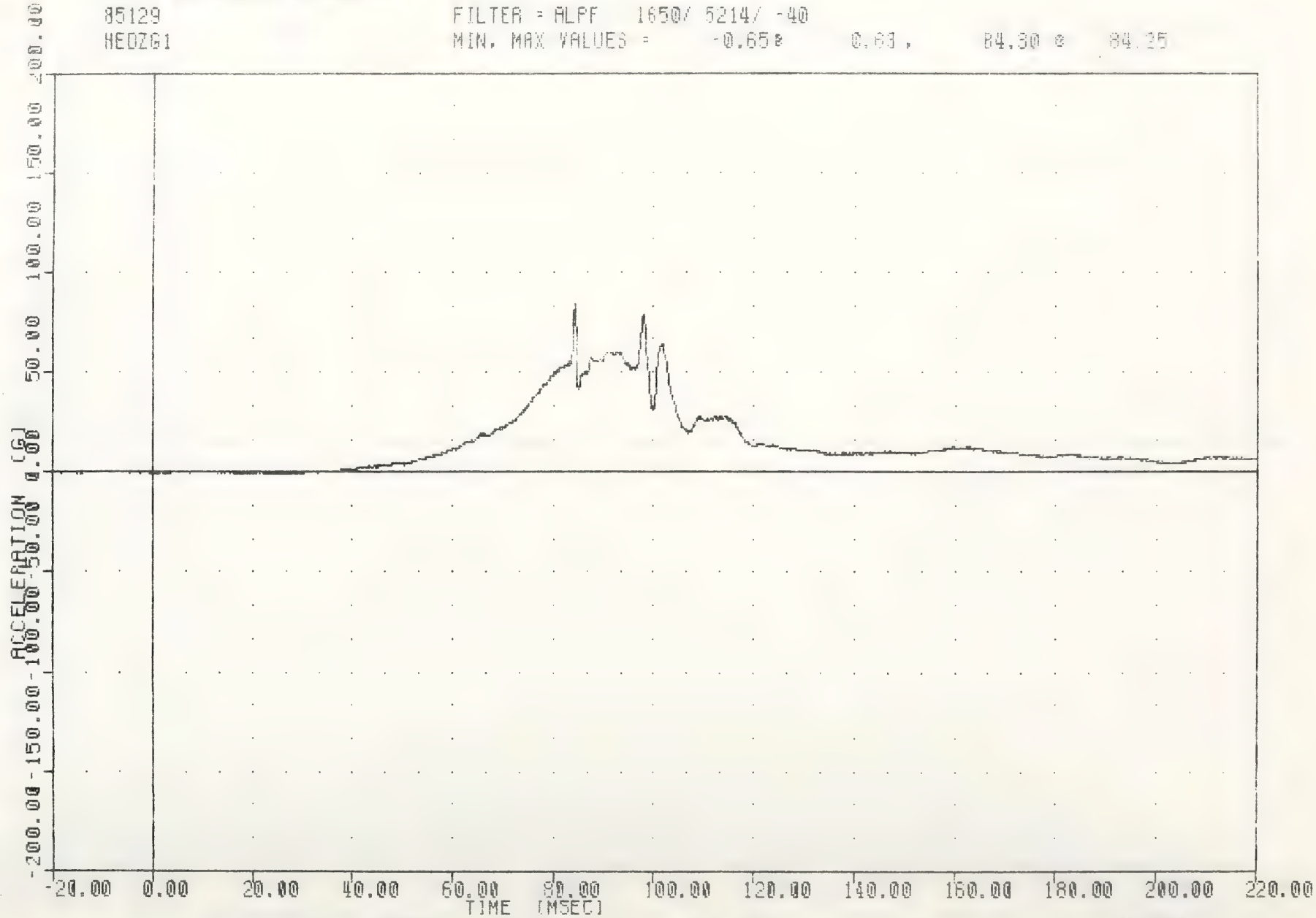


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXV1

VRTC . RD384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = ALPF 1650/ 5214/ -40
HEDY61 MIN, MAX VALUES = -27.43 @ 100.88 , 2.78 @ 93.75

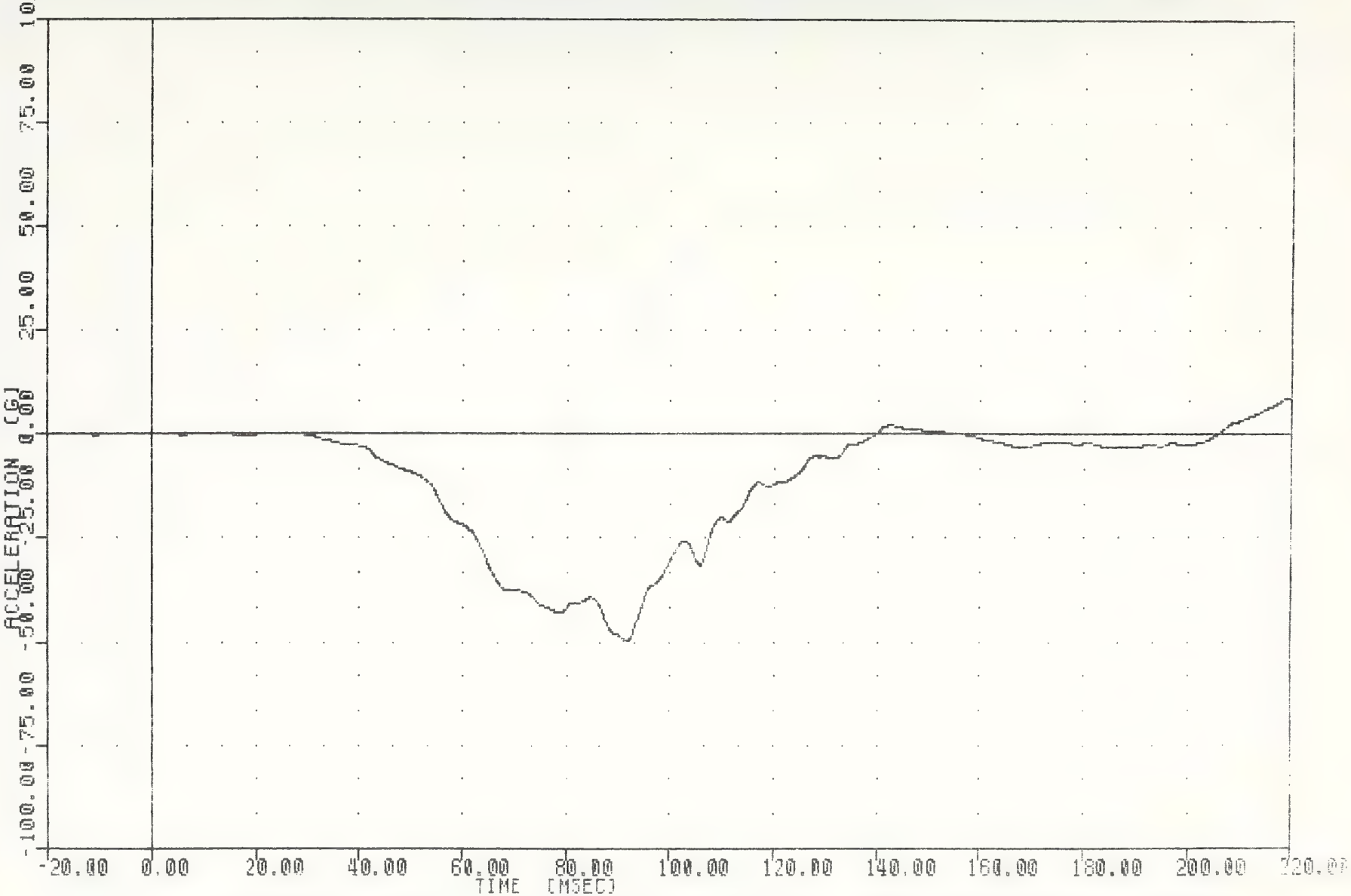


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION : AXIS



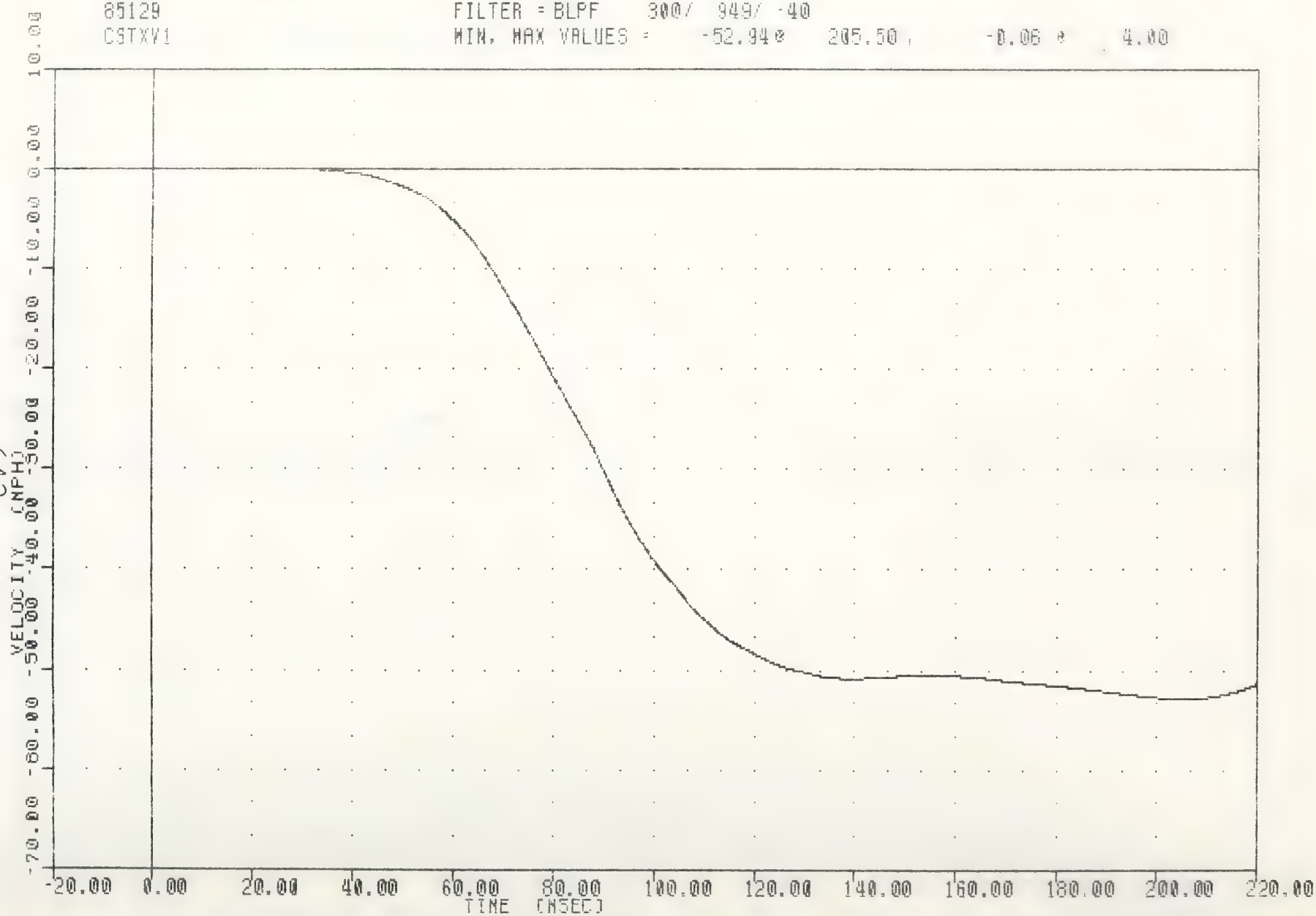
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
CSTXG1 MIN. MAX VALUES = -49.87@ 91.75 , 8.84 @ 219.63



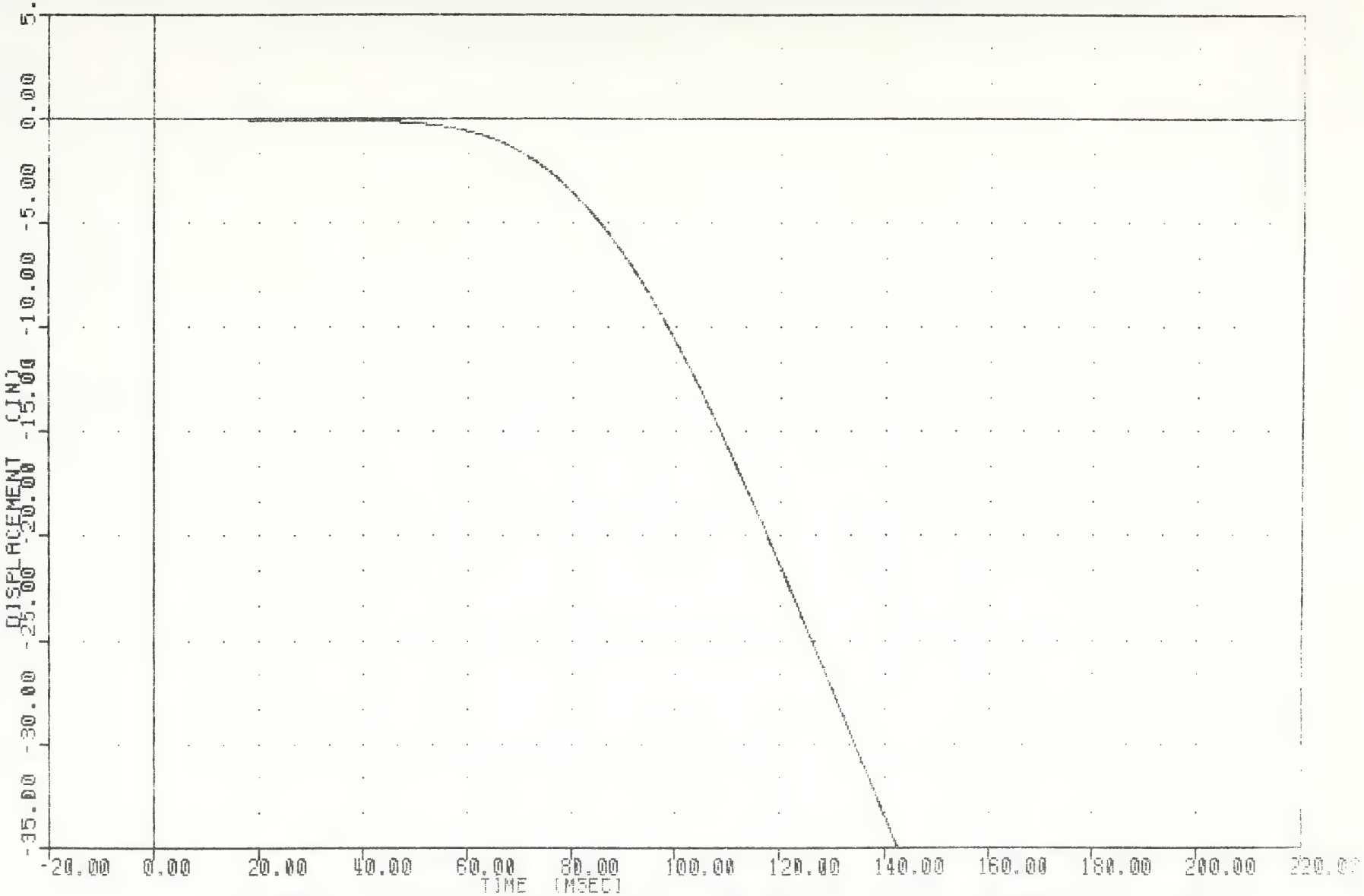
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC . R0364-4-26 PLOT DATE 10-MAR-85 12:11:52
SAEED AIRBAG SLED PA0394F
85129 FILTER = BLPF 300/ 949/ -40
CSTXV1 MIN, MAX VALUES = -52.940 205.50 , -0.06 0 4.00

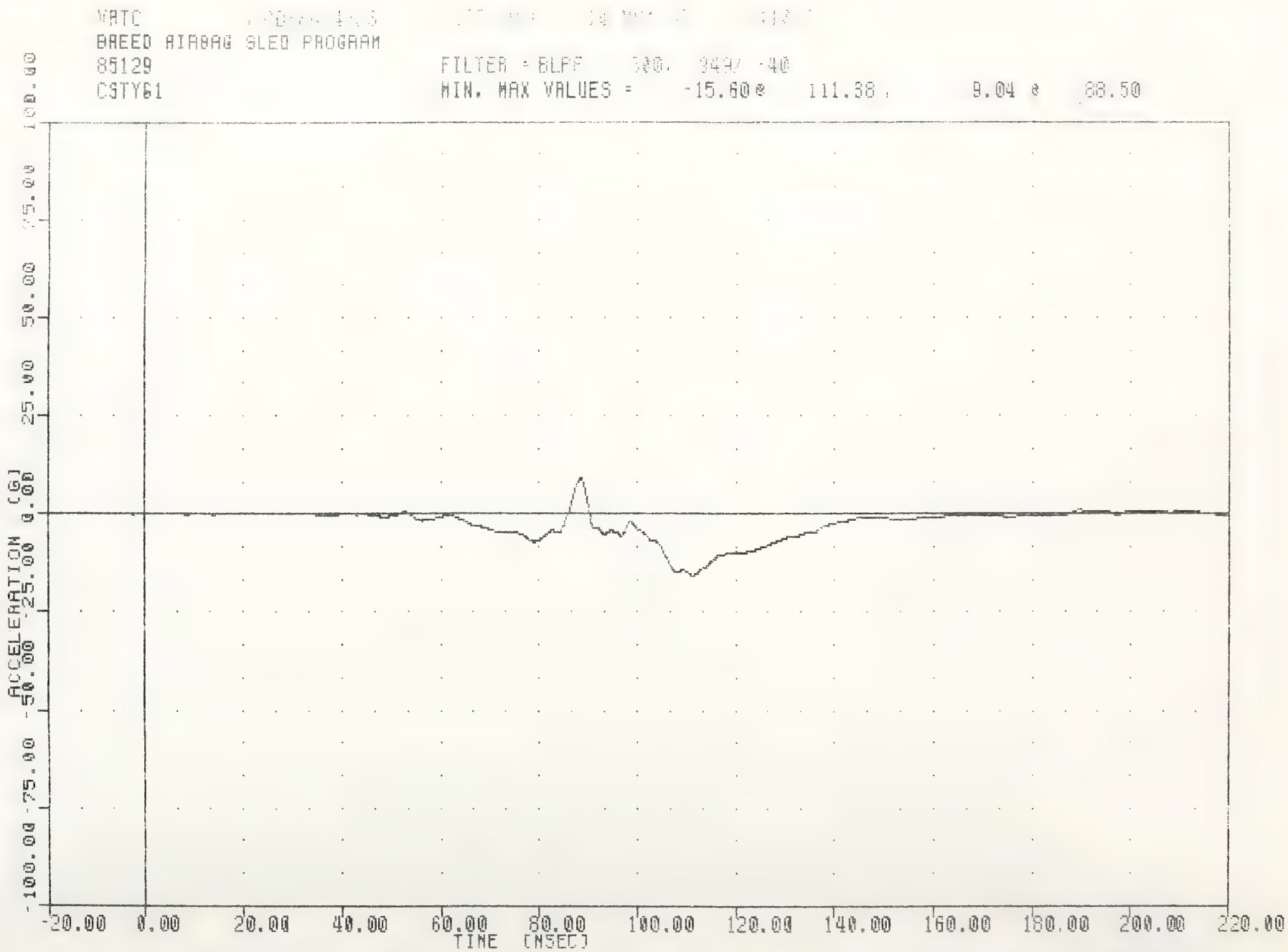


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , RD384-4-28 PLOT DATE 10-MAY-85 12:11:53
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
CSTXD1 MIN, MAX VALUES = -83.04 @ 220.00 , -0.04 @ -20.00

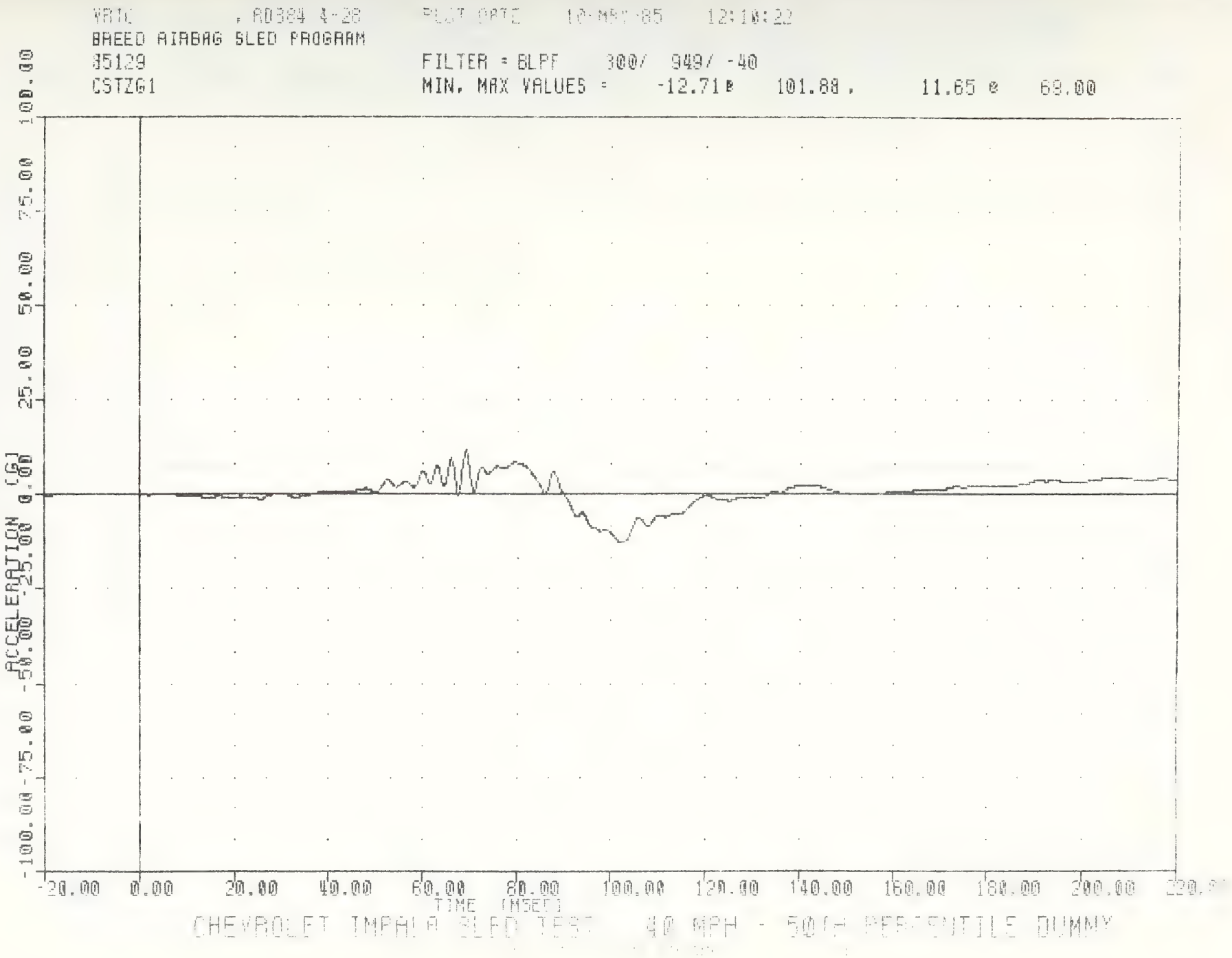


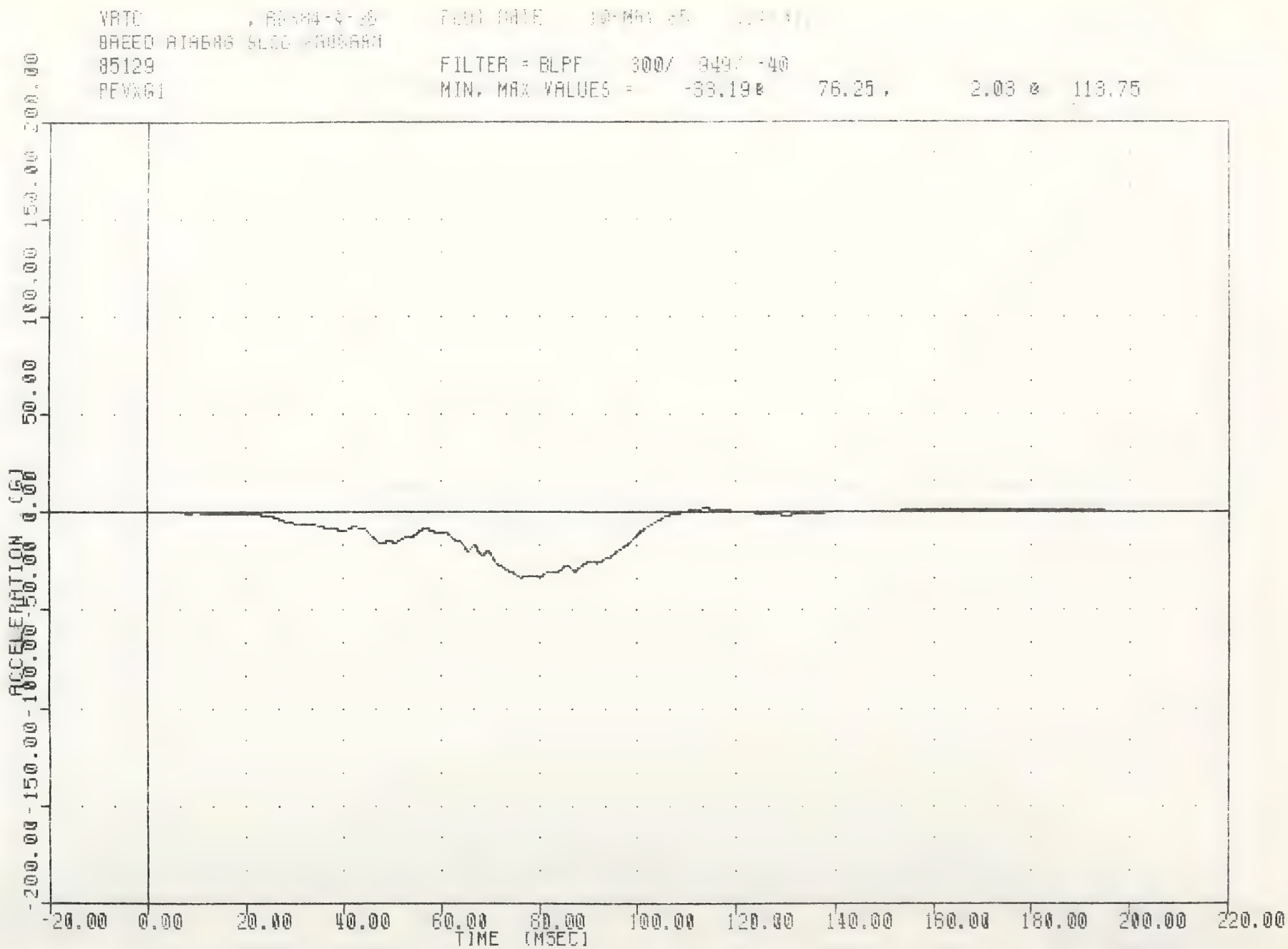
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

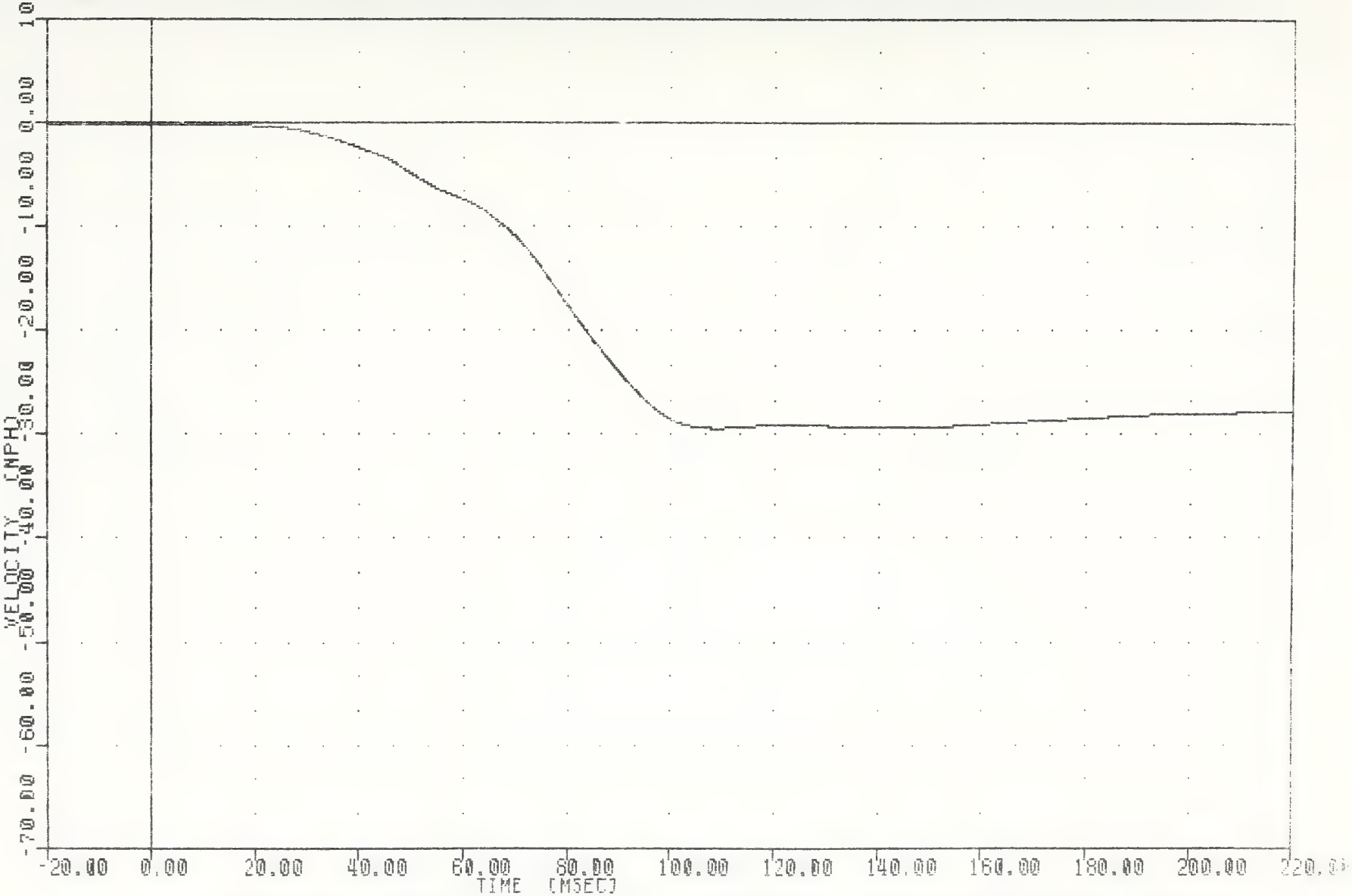
DRIVER CHEST ACCELERATION - G-15


VRIC , A0384 4-28 PLOT OPTI 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129
CSTZG1
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -12.71 @ 101.88 , 11.65 @ 69.00
ACCELERATION (G)
100.00
75.00
50.00
25.00
0.00
-25.00
-50.00
-75.00
-100.00
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
180.00
200.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST 40 MPH - 50th PERCENTILE DUMMY



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC . RD384-4-28 PLOT DATE 10-MAY-85 12:11:53
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
PEVXV1 MIN. MAX VALUES = -29.43@ 109.00 , -0.21 @ -9.25

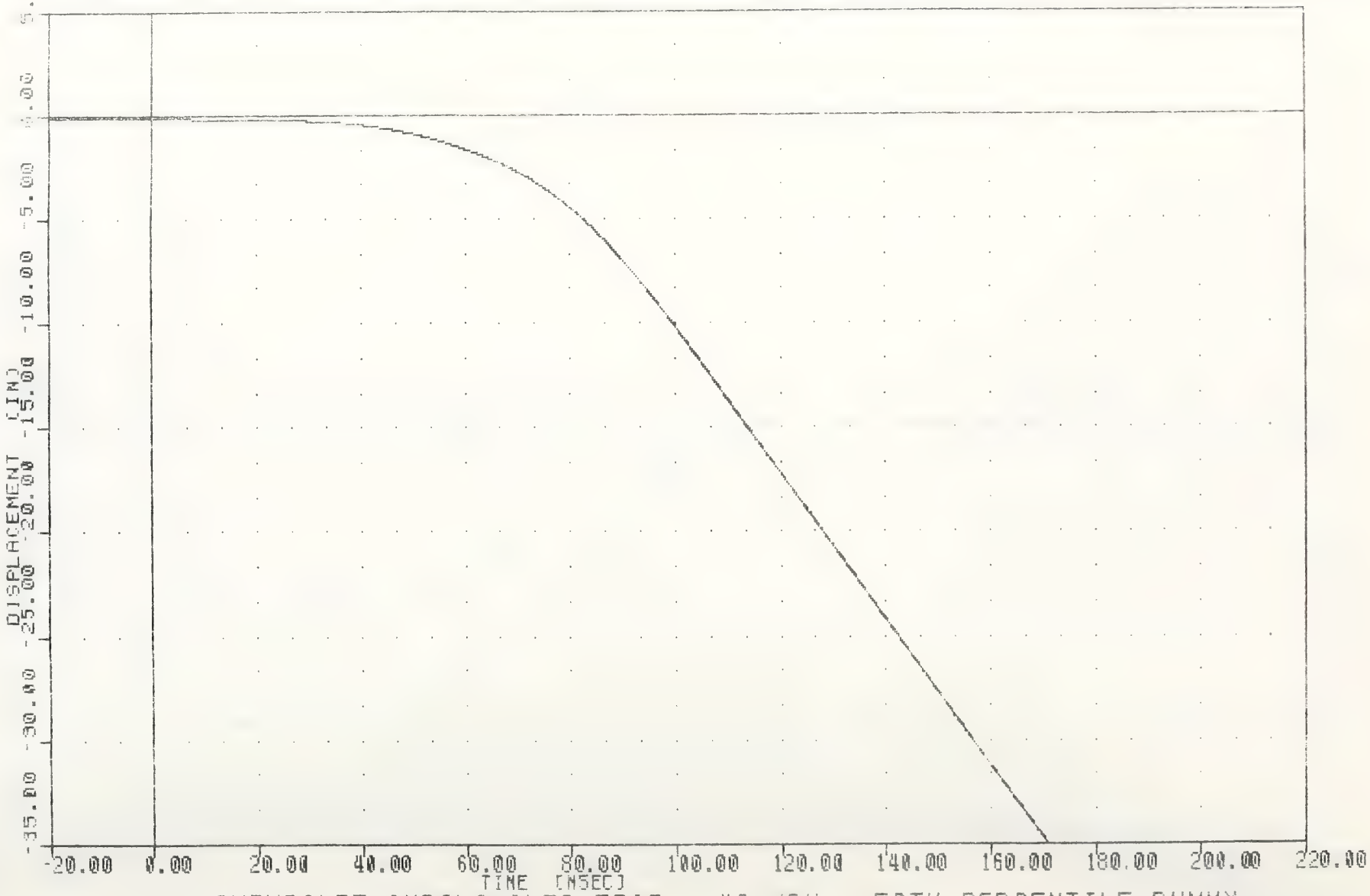


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

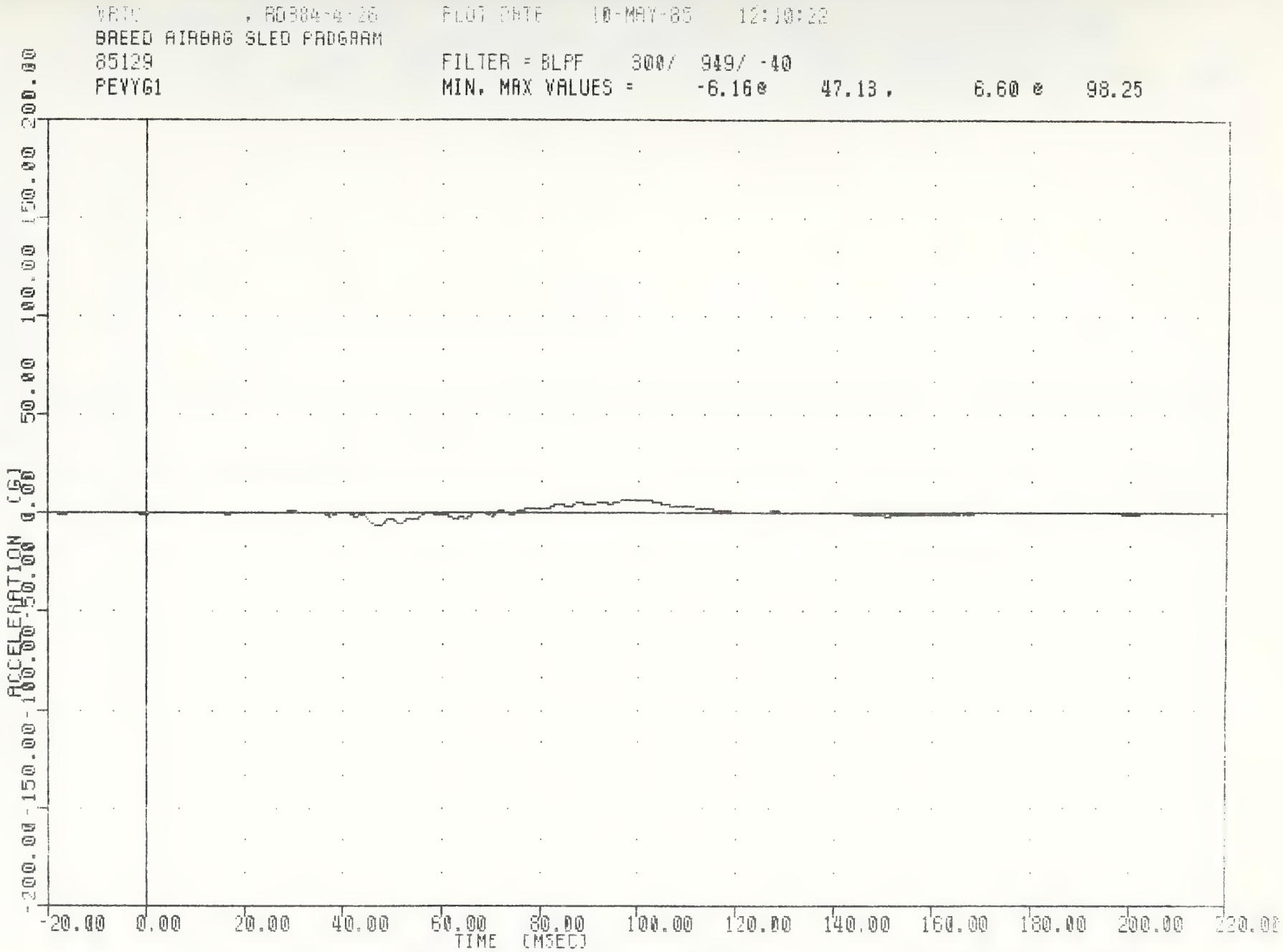
DELTA V USING PEVXV1

VATC
BREED AIRBAG
85129
PEWX01

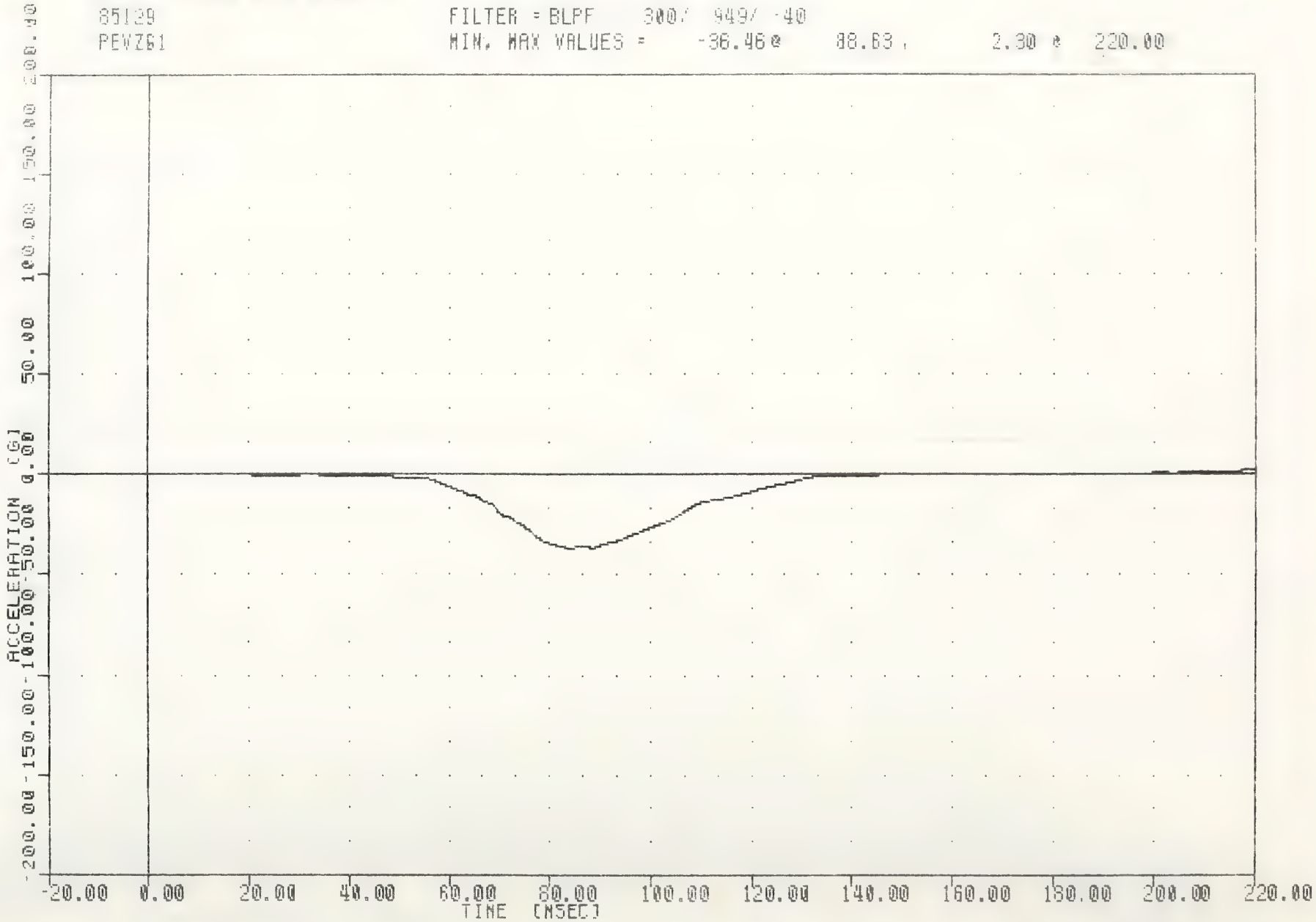
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -51.60@ 220.00, -0.11 @ -20.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY



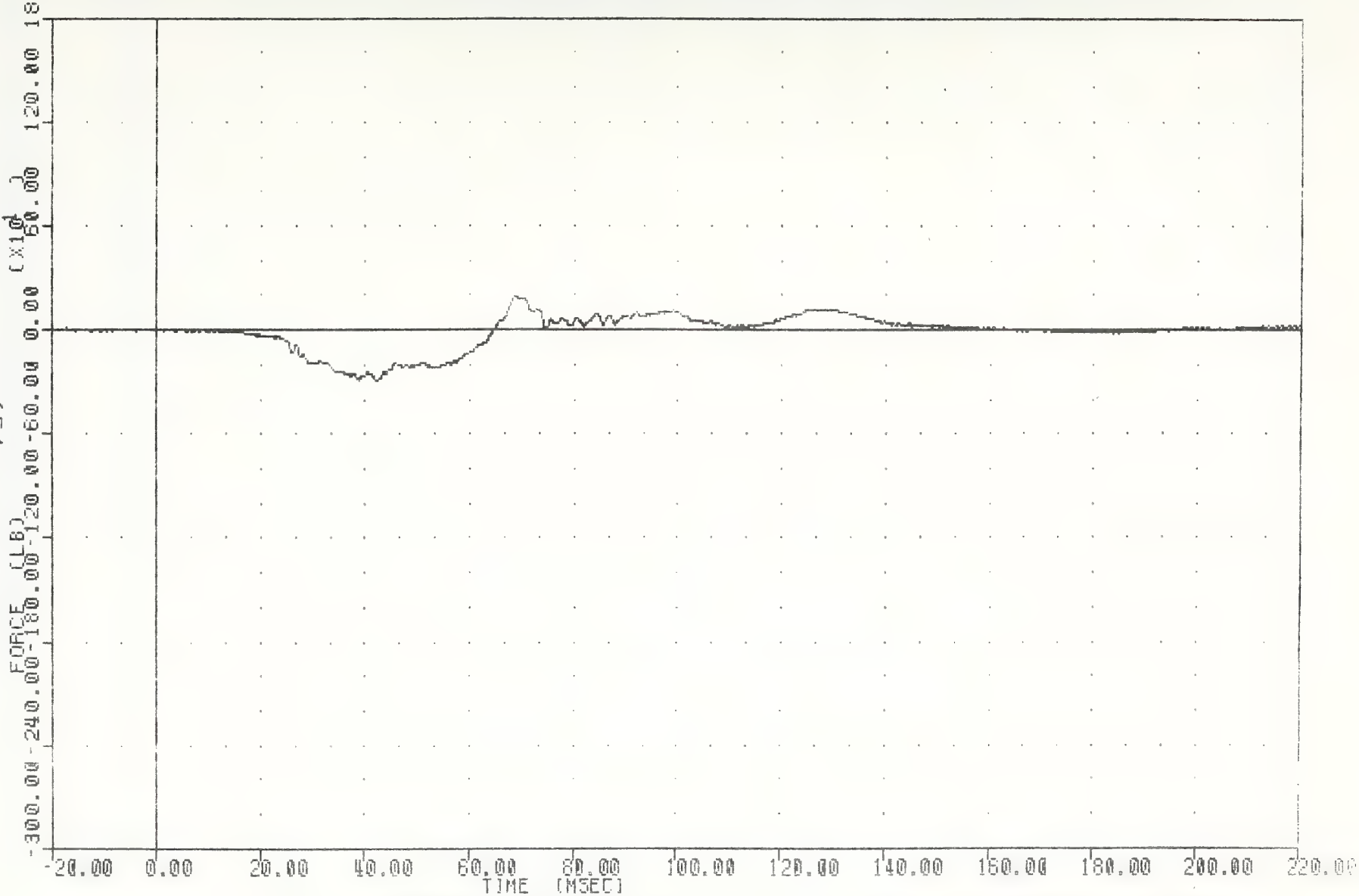
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS



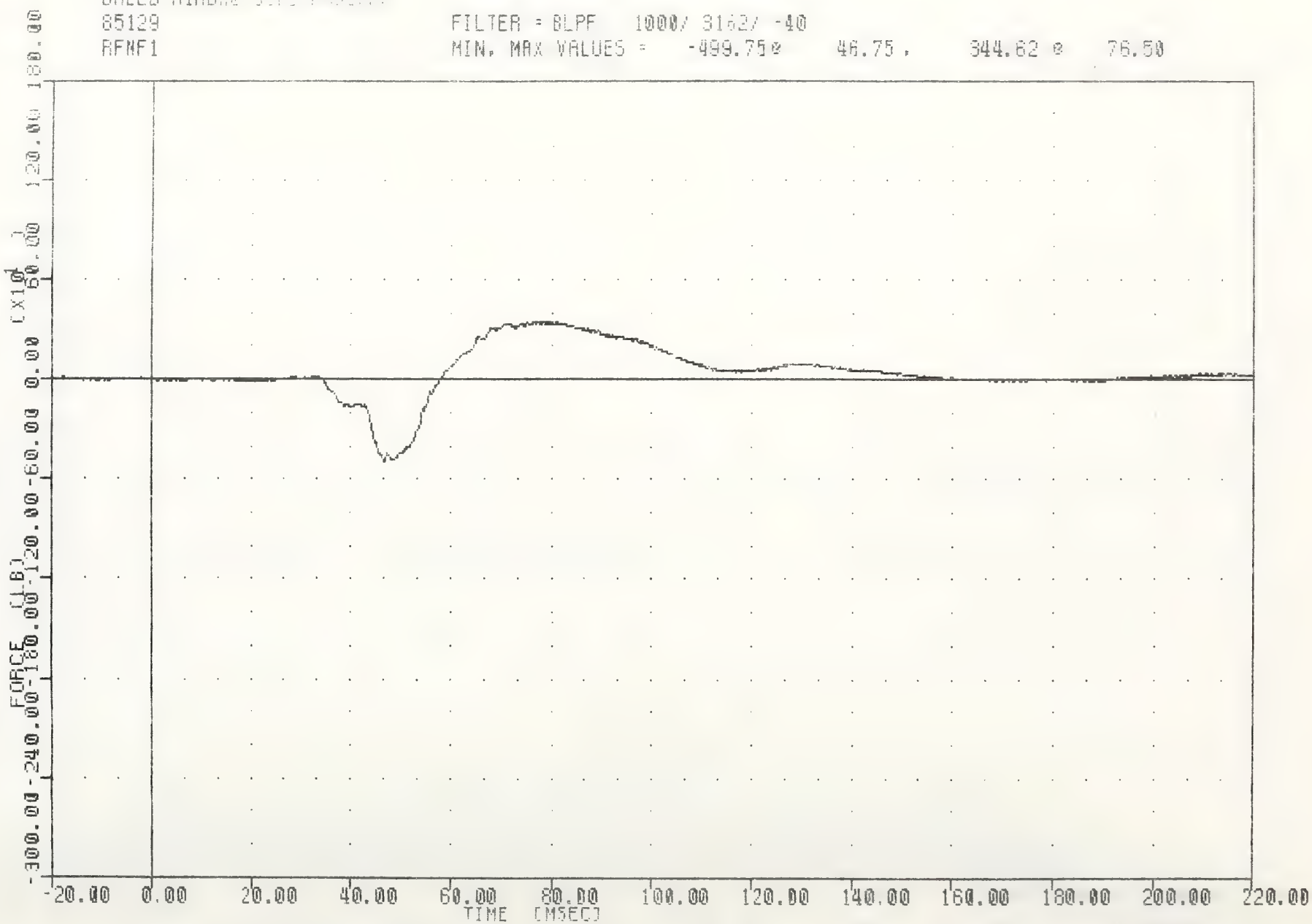
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DRIVER PELVIS ACCELERATION - X AXIS

VRTC . R0384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 1000/ 3162/ -40
LFMF1 MIN. MAX VALUES = -294.79@ 42.13, 193.90@ 68.50

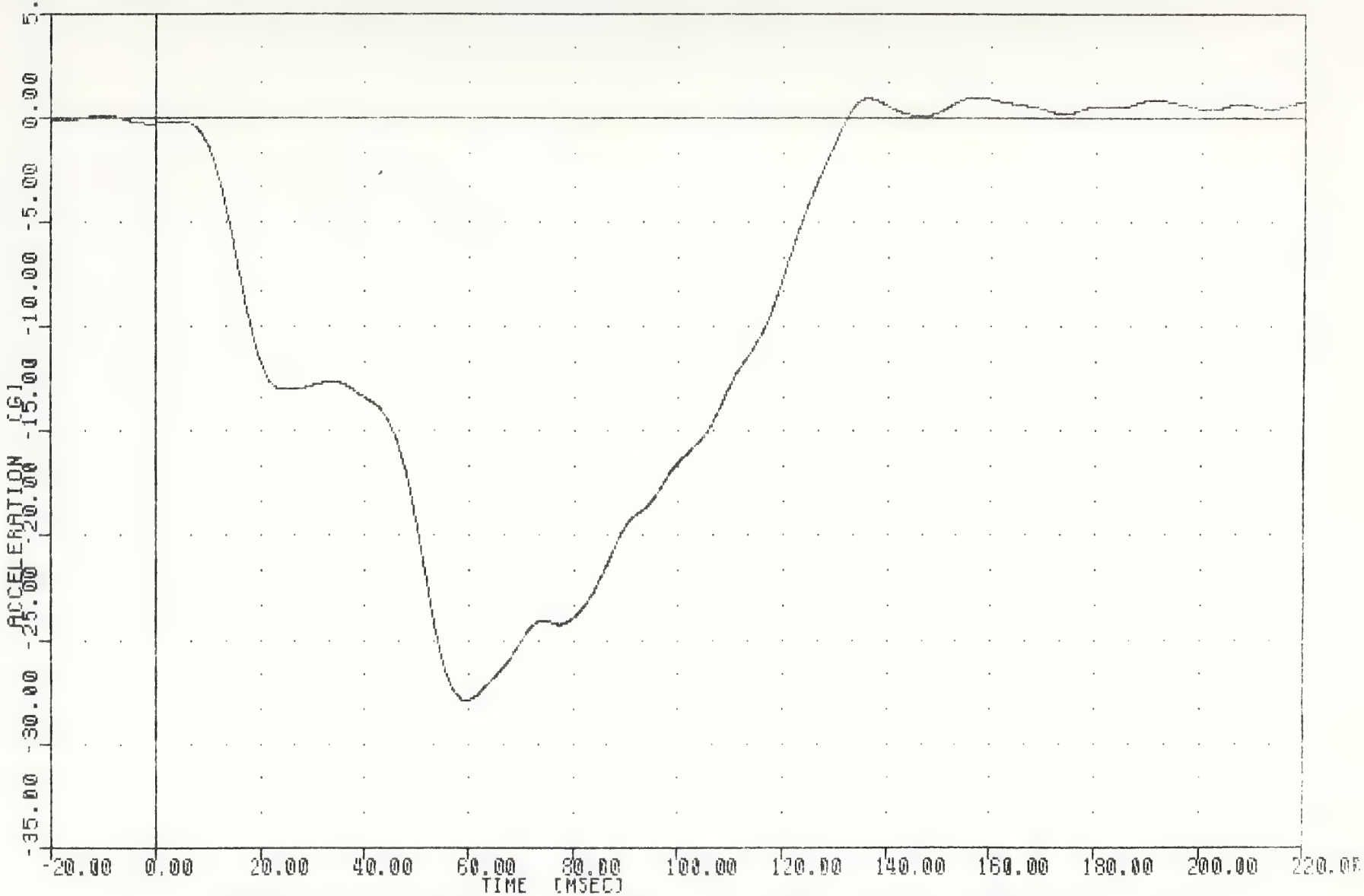


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE



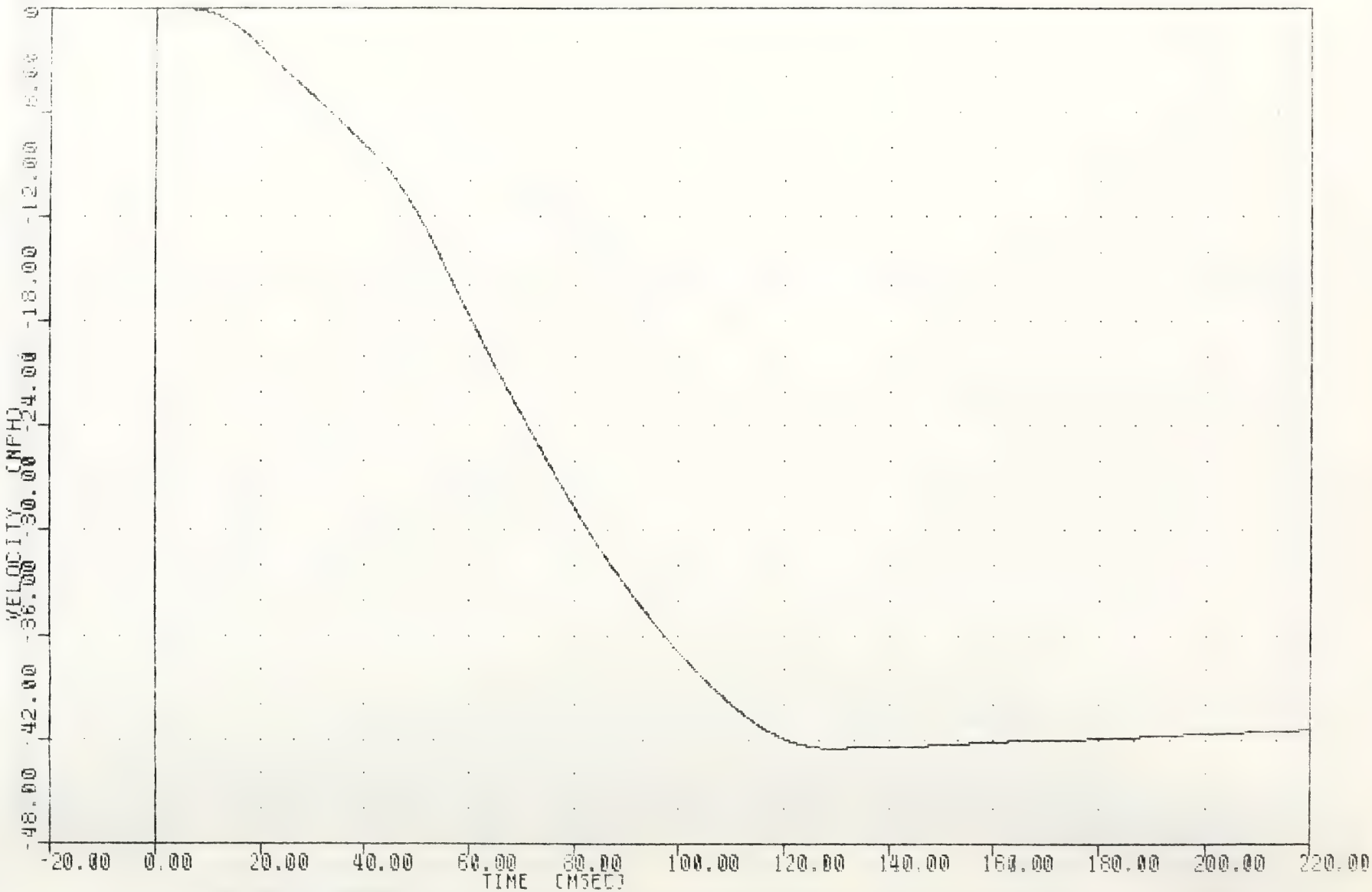
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-26 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 100/ 316/ -40
LPBXG MIN, MAX VALUES = -27.91@ 59.63 , 0.97 @ 157.13



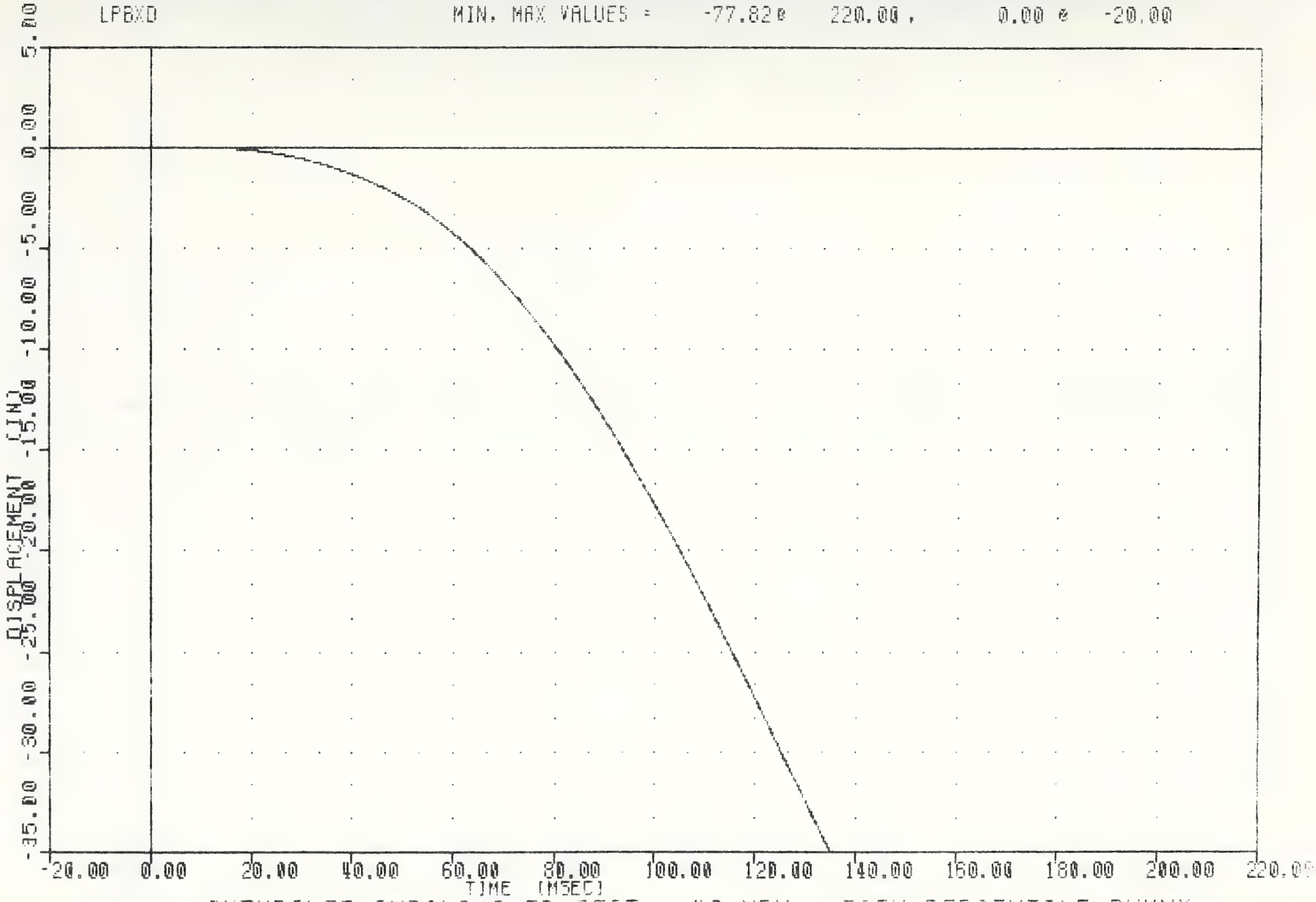
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION

VRTC , RD584-4-28 PLOT DATE 13-MAY-85 10.[illegible]
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949. -40
LPBXV MIN. MAX VALUES = -42.52@ 129.25 , 0.00 @ -10.25



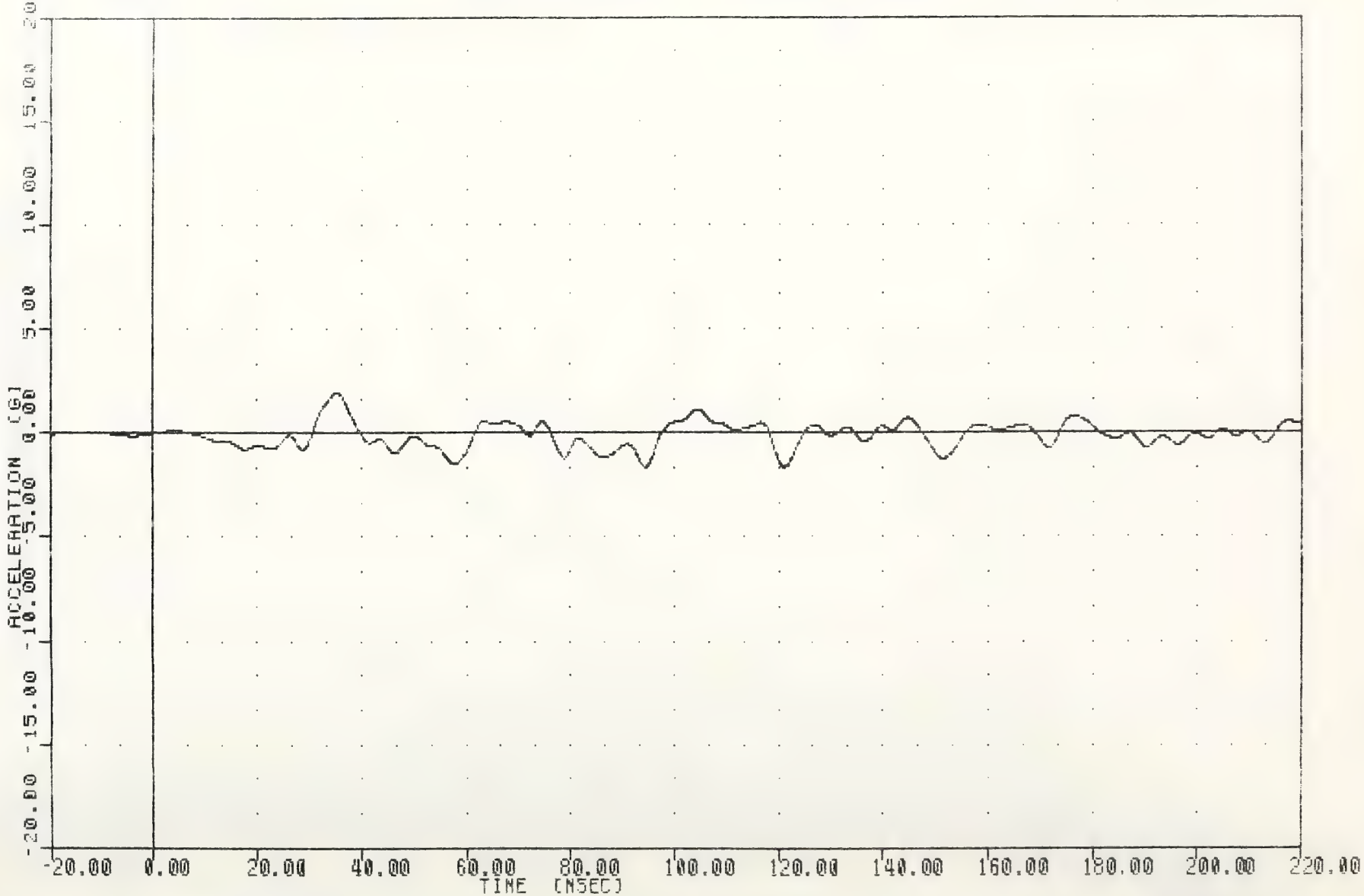
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA [illegible]

VRTC , RD384-4-28 PLOT DATE 10-MAY-85 12:11:58
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
LPBXD MIN. MAX VALUES = -77.82@ 220.00 , 0.00 @ -20.00

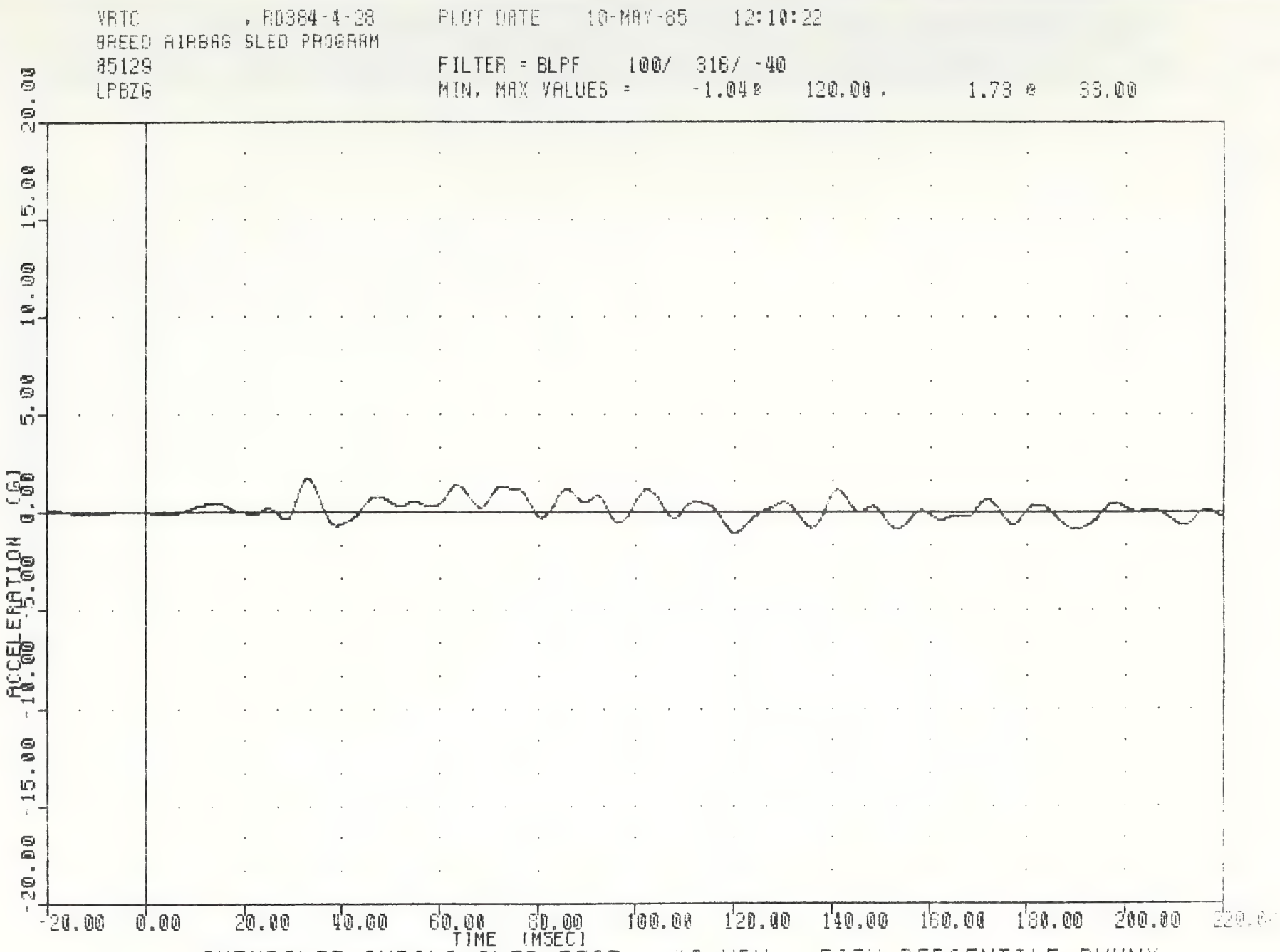


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

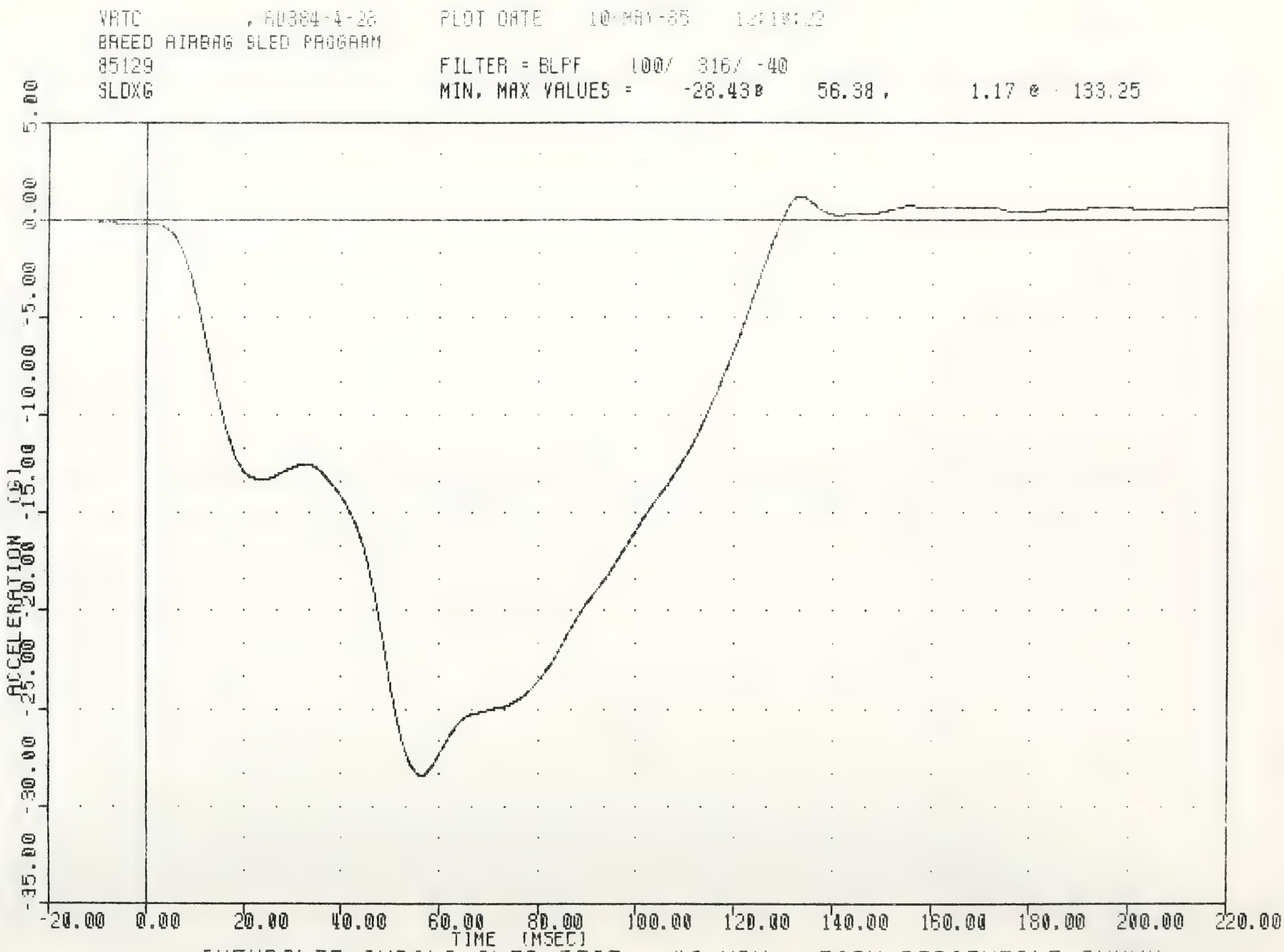
VRTC , R0384-4-26 PLOT DATE 10-MAY 85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 100/ 316/ -40
LPBY6 MIN, MAX VALUES = -1.65@ 94.50 , 1.96 @ , 35.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

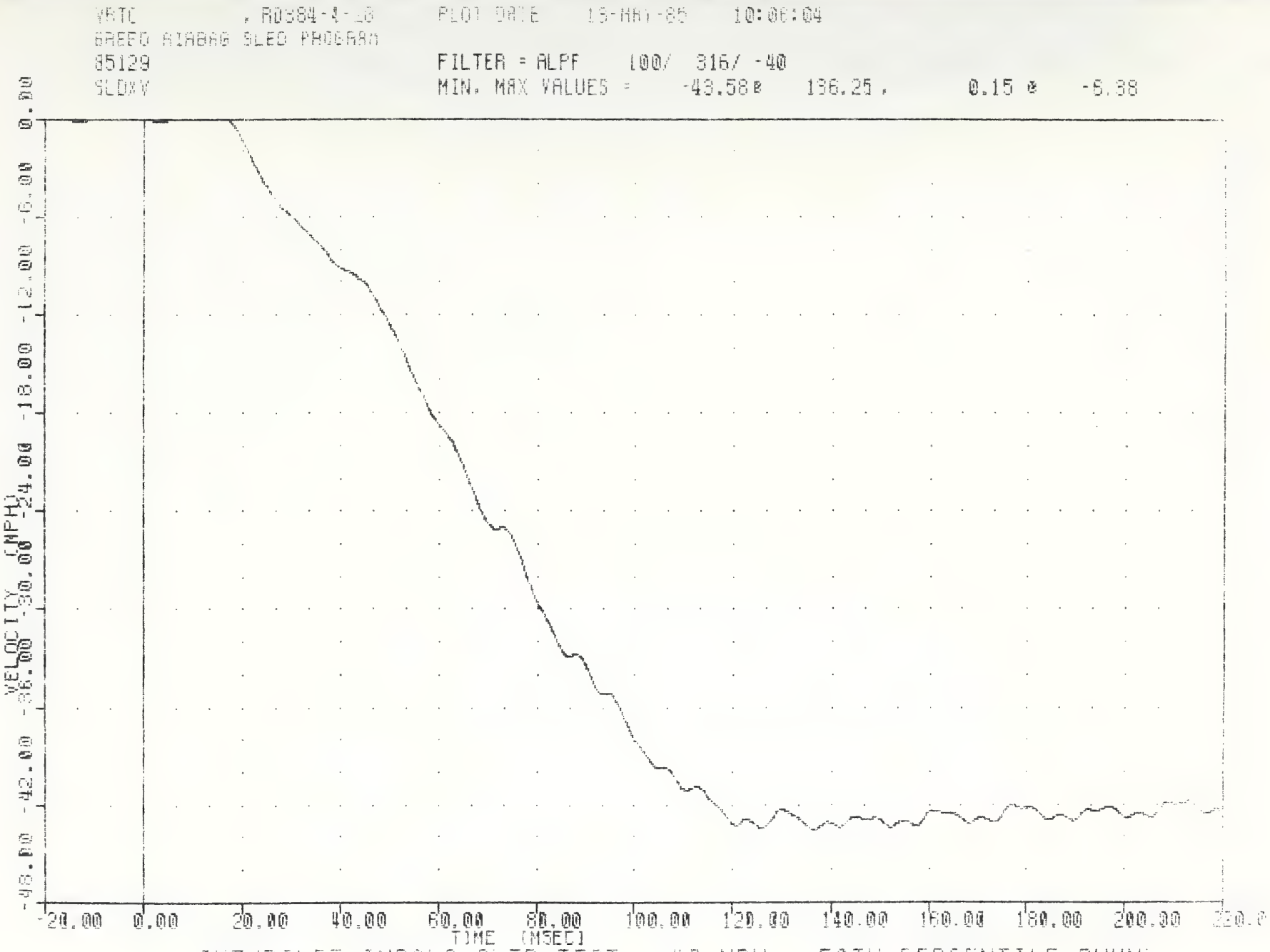


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

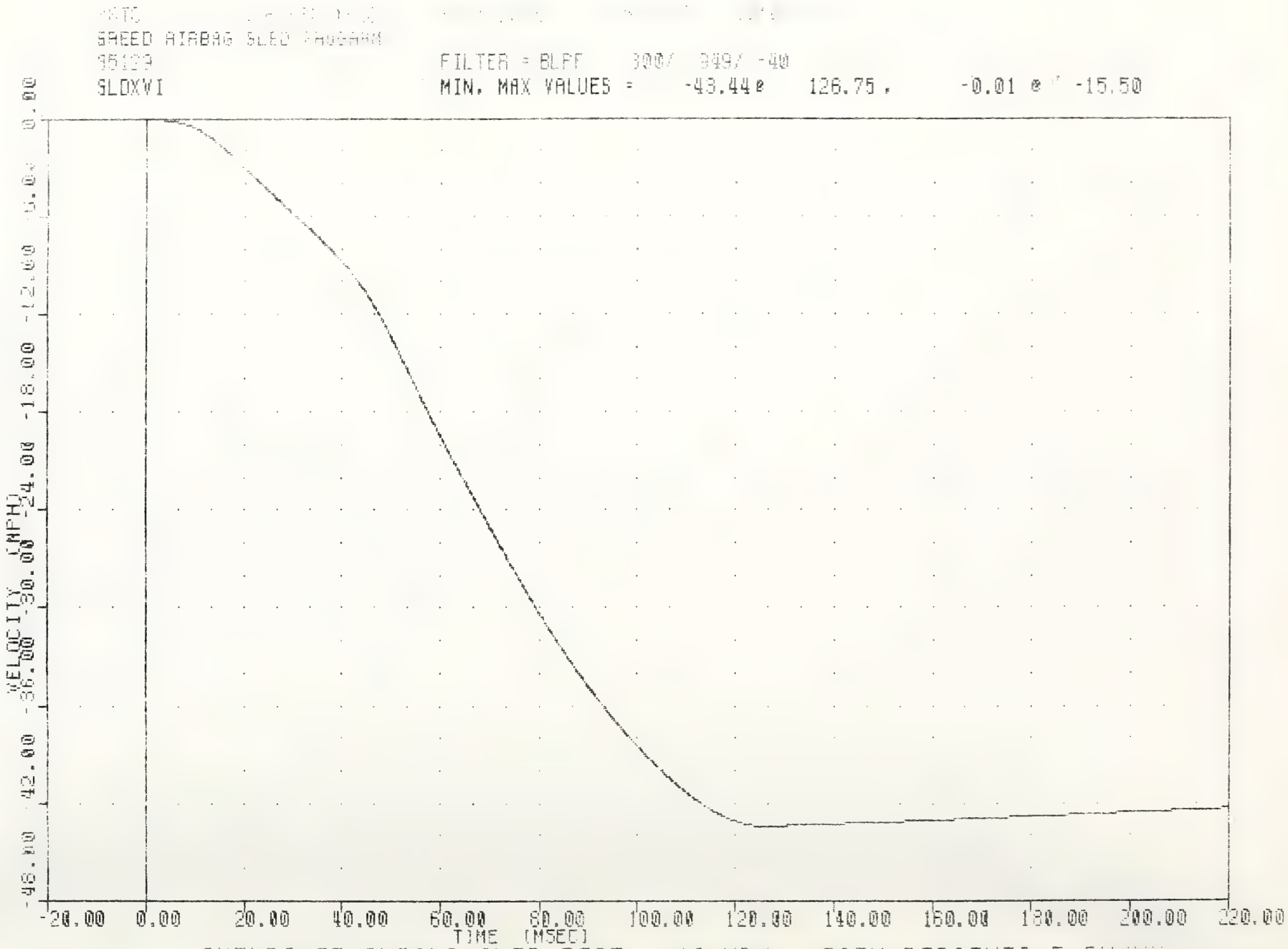


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

SLED ACCELERATION

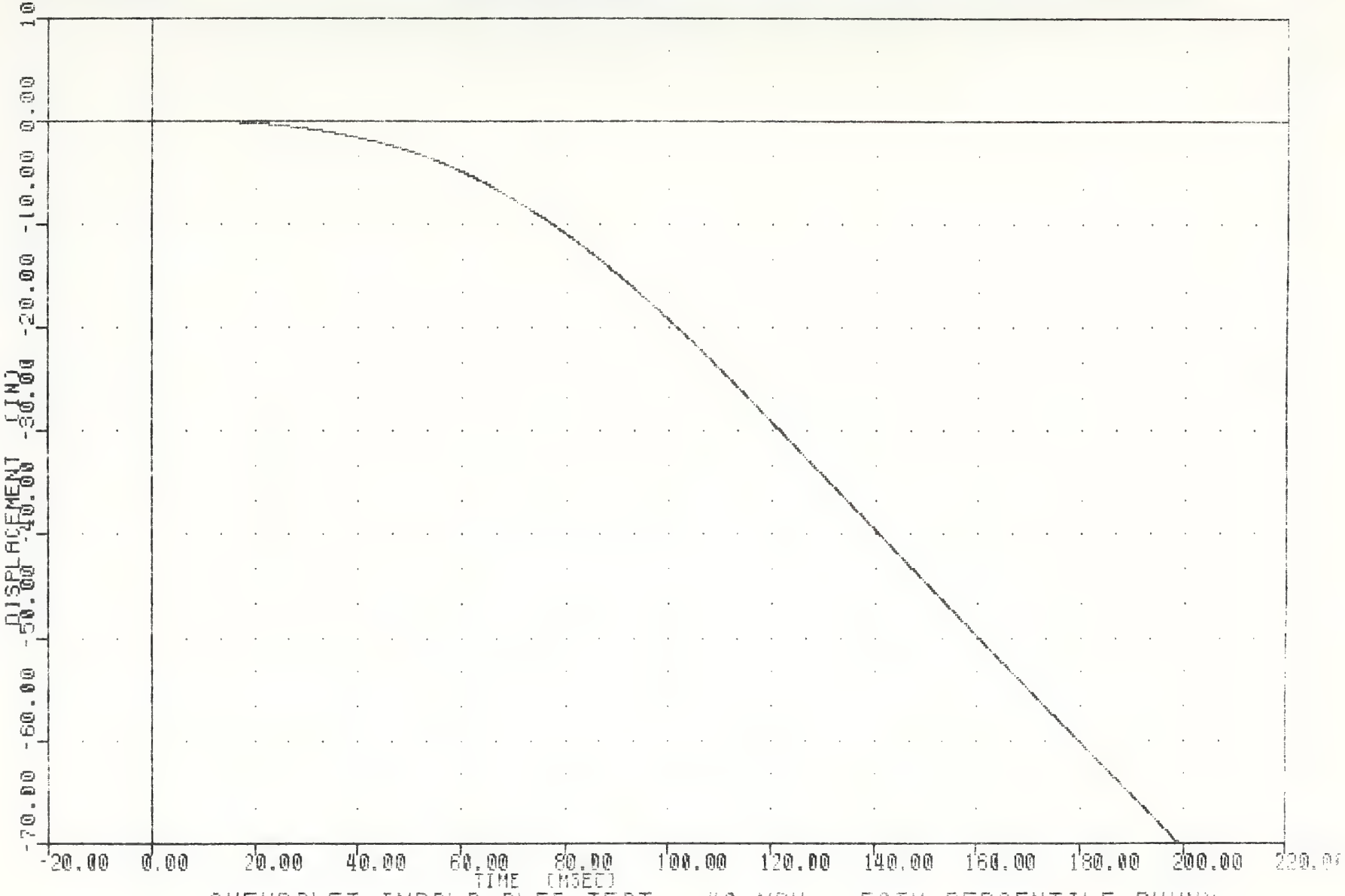


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY



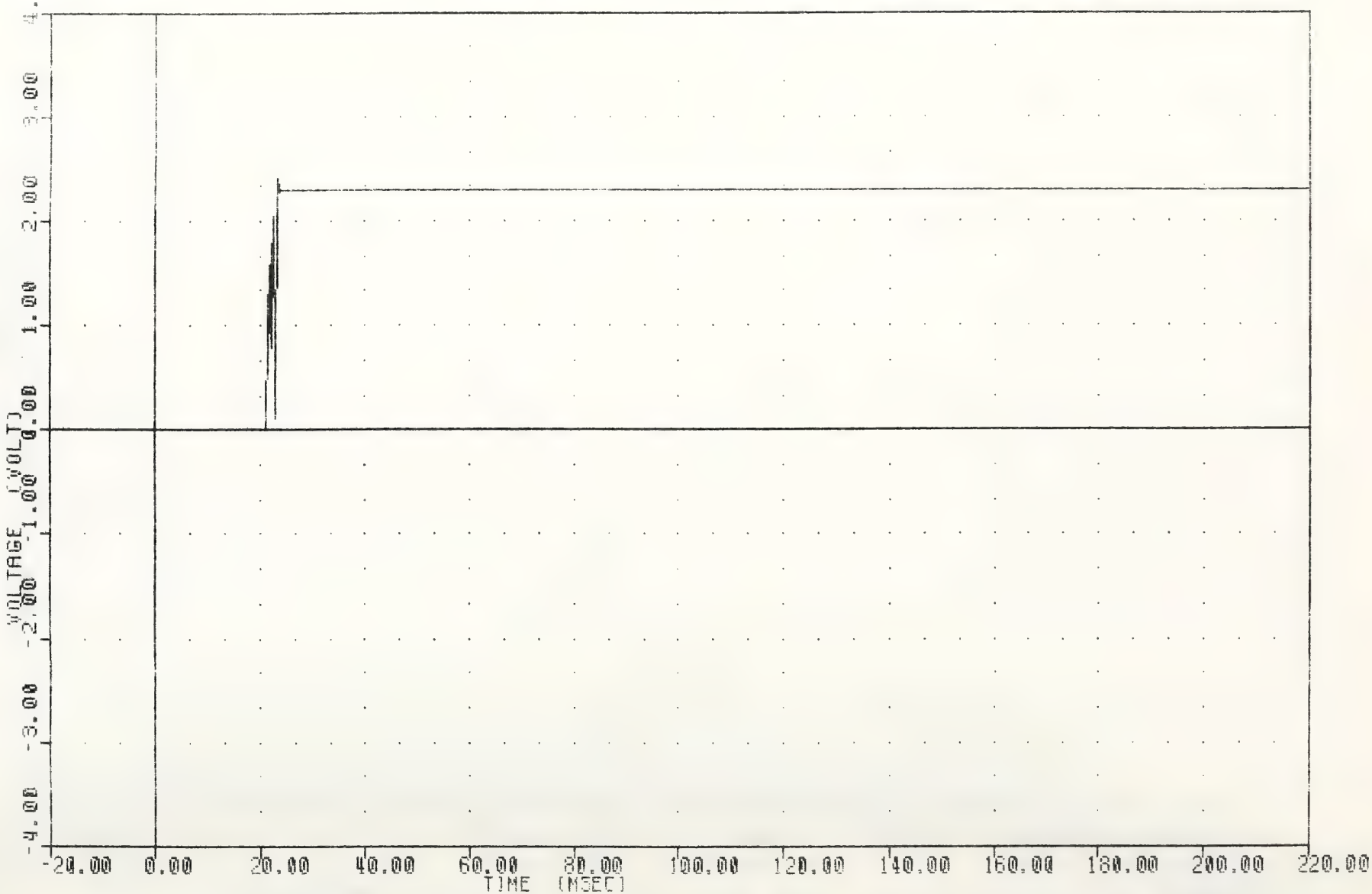
CHEVROLET IMPALA SLED TEST 15 MPH - 50TH PERCENTILE DUMMY

VRTC , RD384-4-26 PLOT DATE 10-MAY-85 12:11:53
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
SLDXD MIN. MAX VALUES = -80.68 @ 220.00 , -0.01 @ -20.00



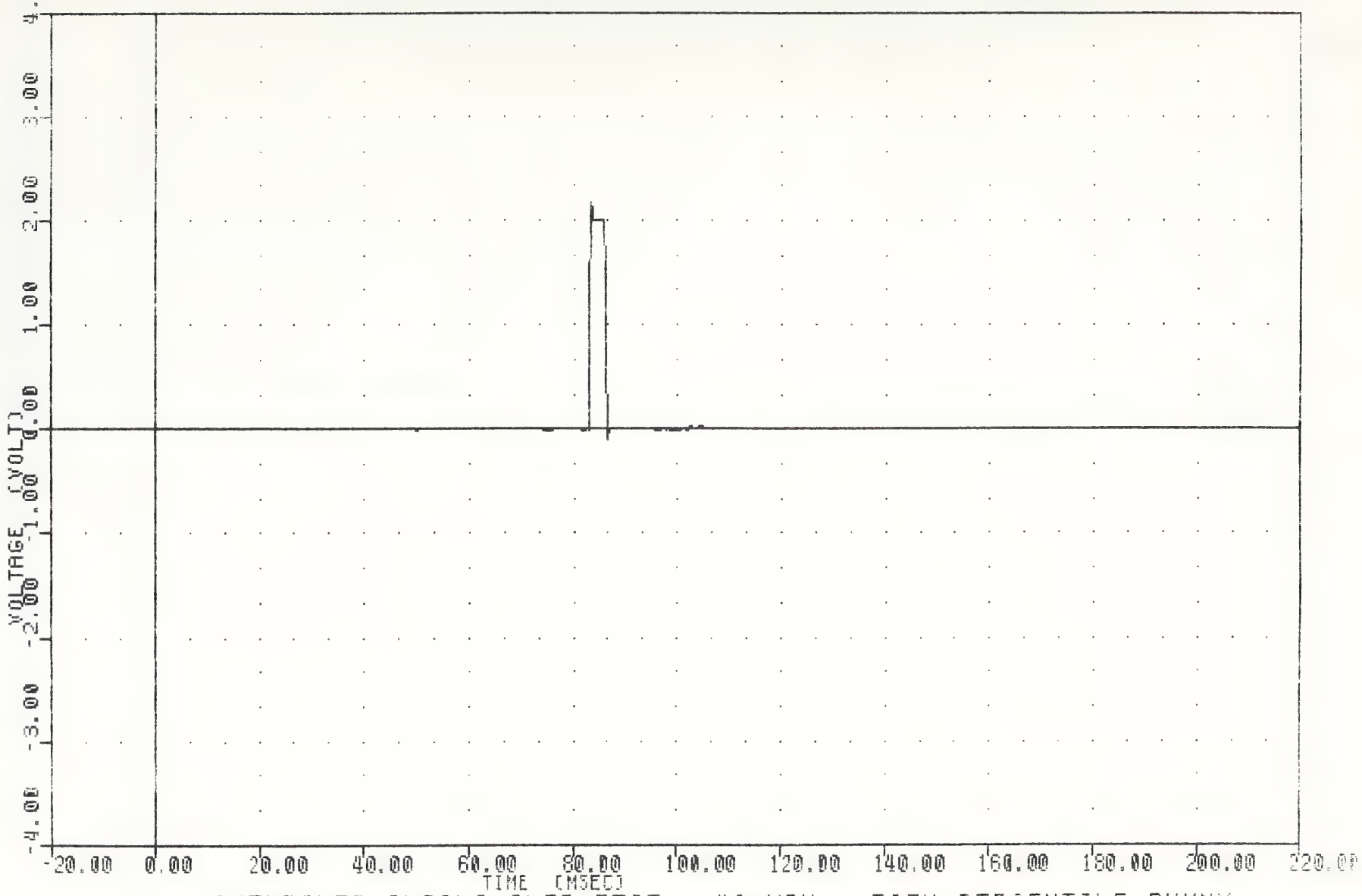
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

VRTC , RD364-4-28 PLOT DATE 10-MAY-86 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = ALPF 1650/ 5214/ -40
ABT3 MIN, MAX VALUES = -0.01 @ 0.00 , 2.40 @ 28.25

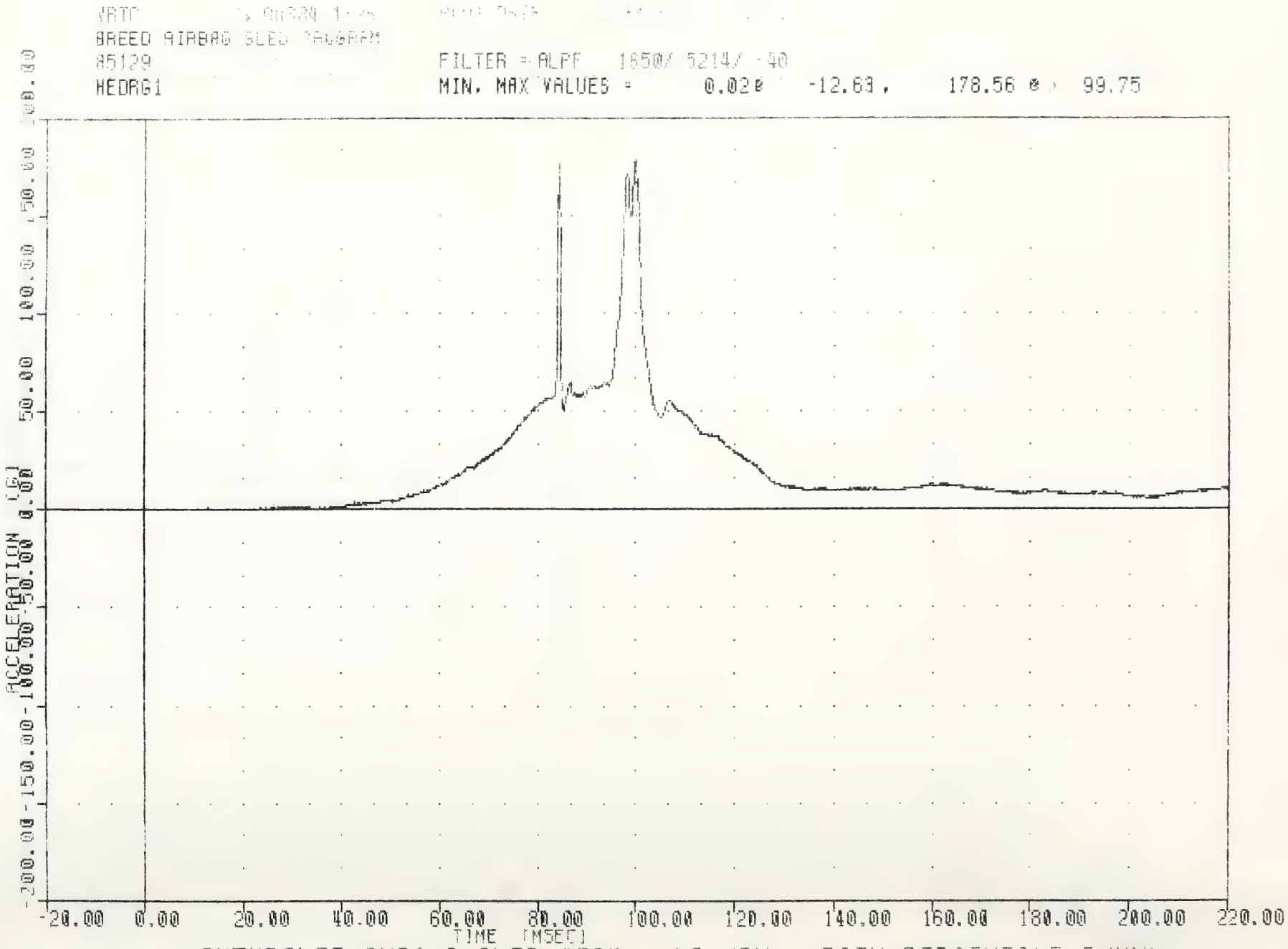


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
BREED B PILLAR SENSOR

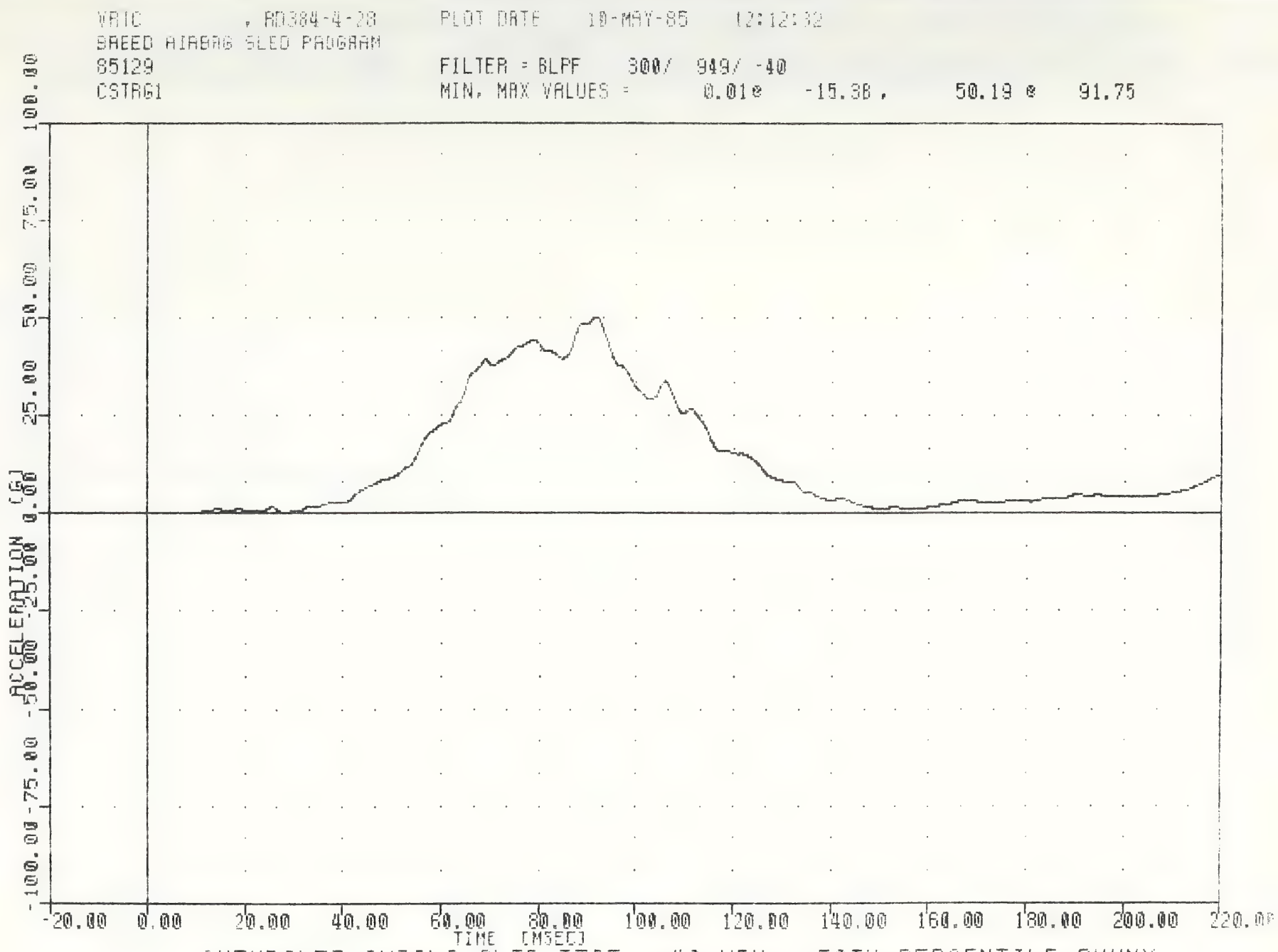
VRTC , RD384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = ALPF 1650/ 5214/ -40
RBT4 MIN. MAX VALUES = -0.09@ 86.50 , 2.17 @ 83.38



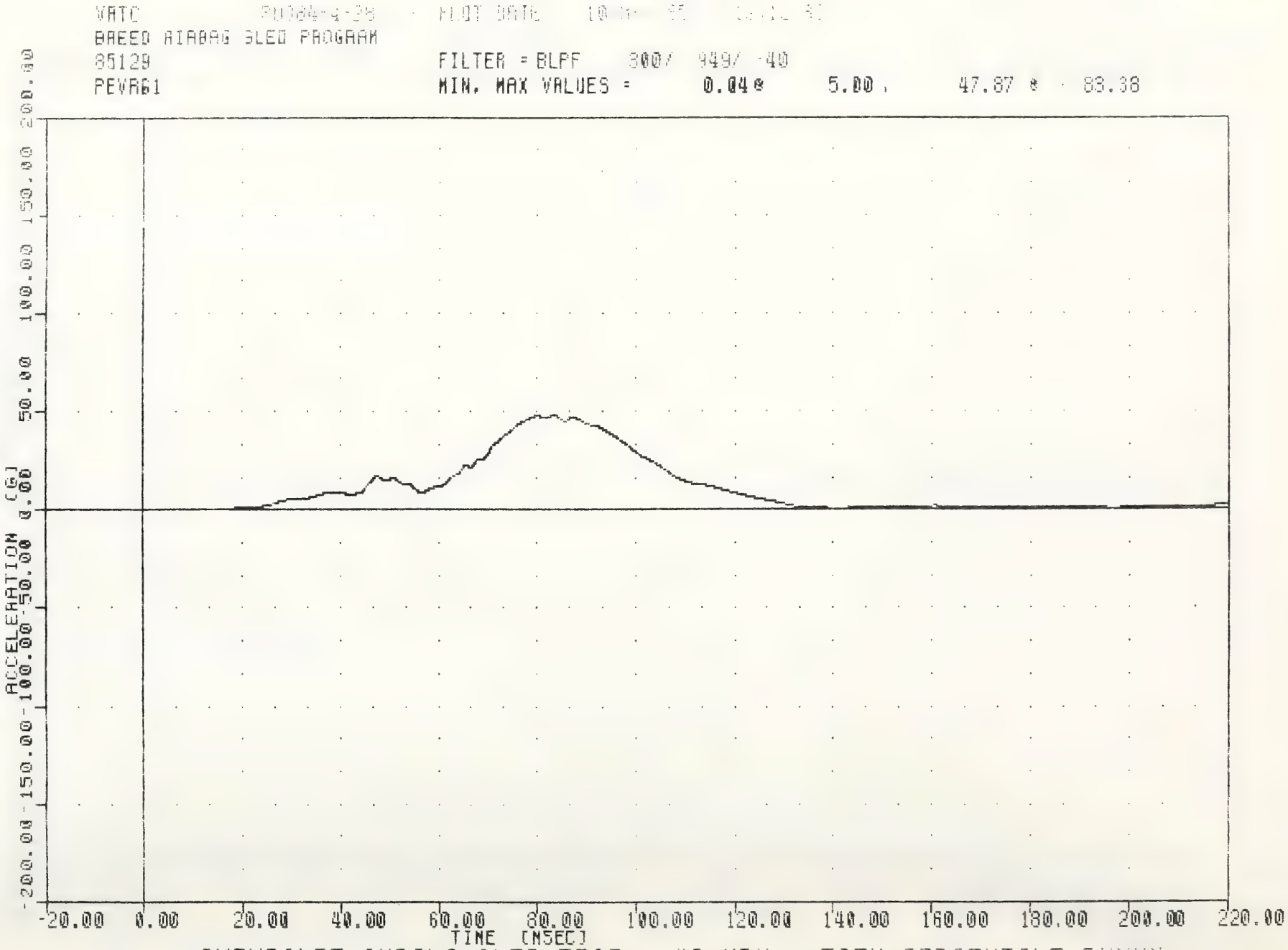
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

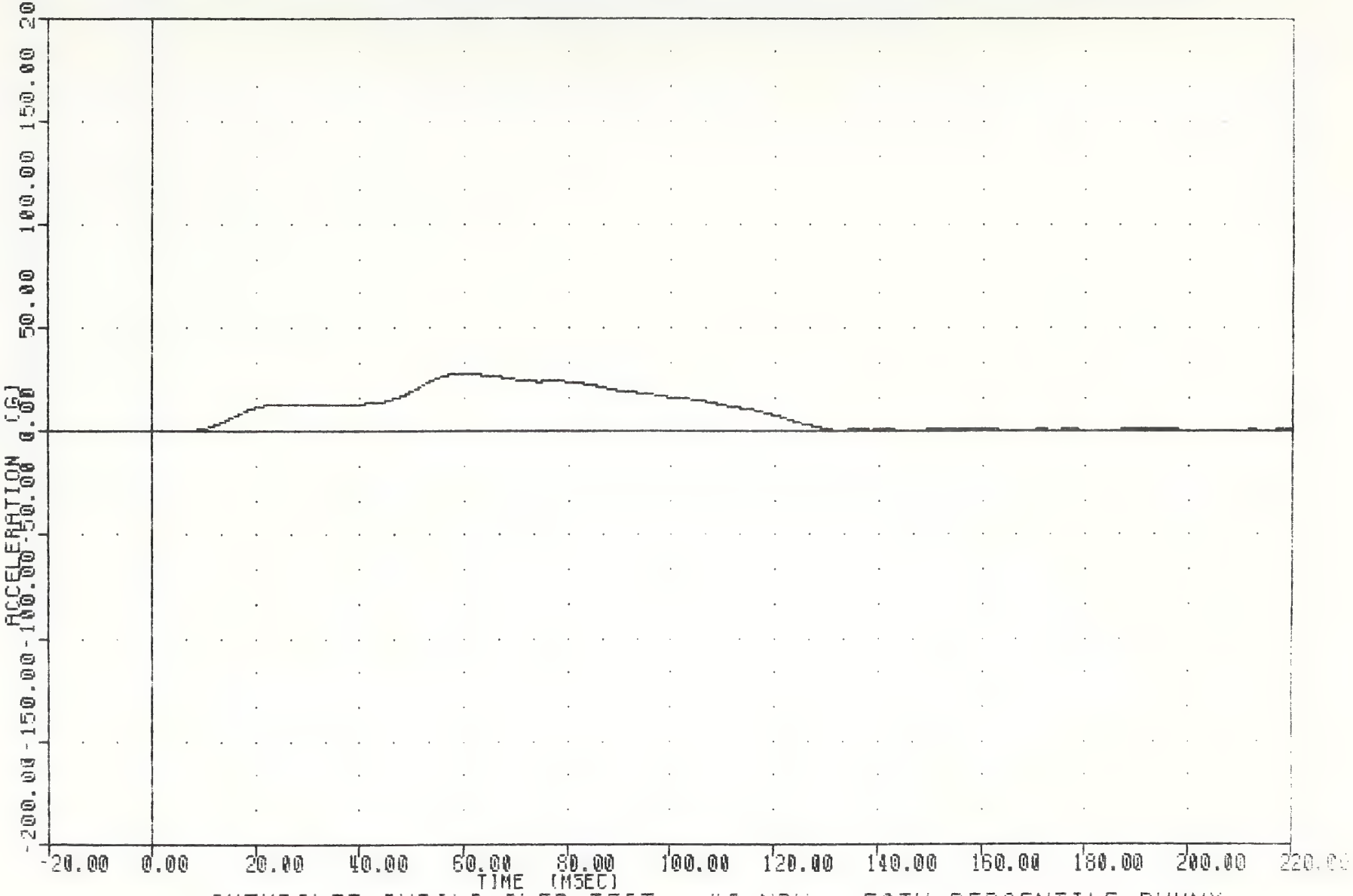


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

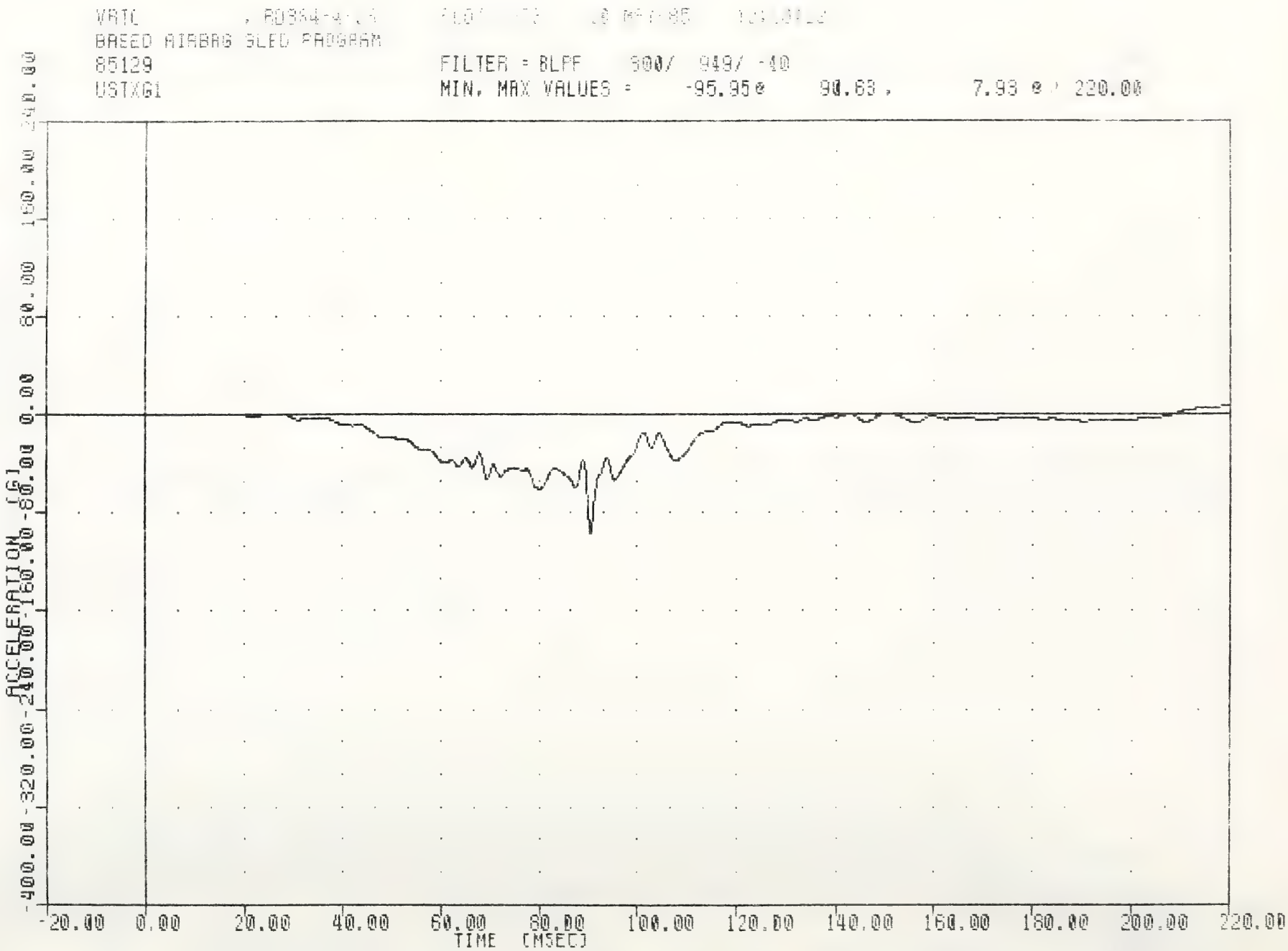


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC , RD384-4-26 PLOT DATE 10-MAY-85 12:12:32
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 100/ 316/ -40
LPBRG MIN. MAX VALUES = 0.05 @ -7.38 , 27.94 @ 59.50

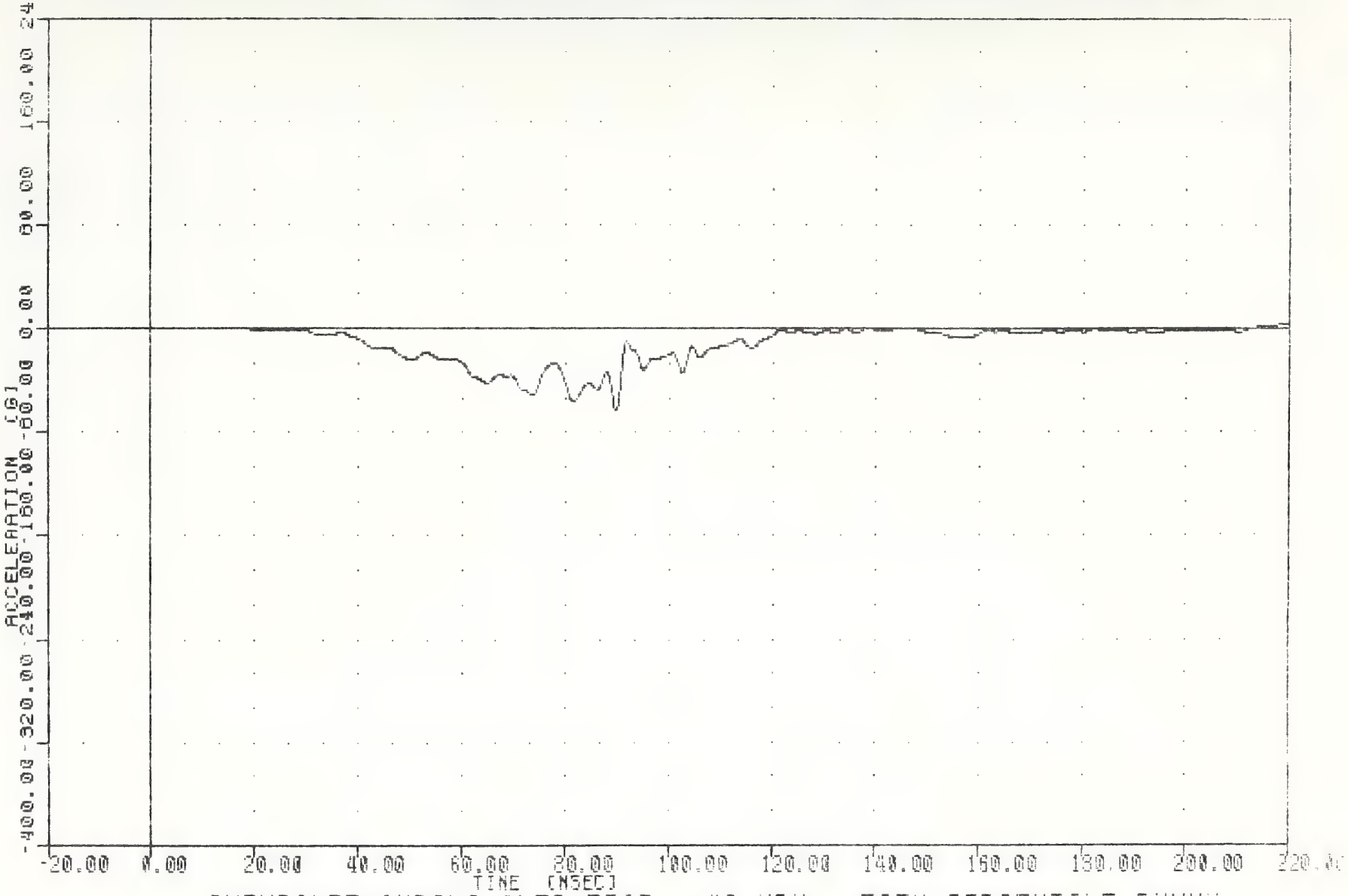


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT R RESULTANT

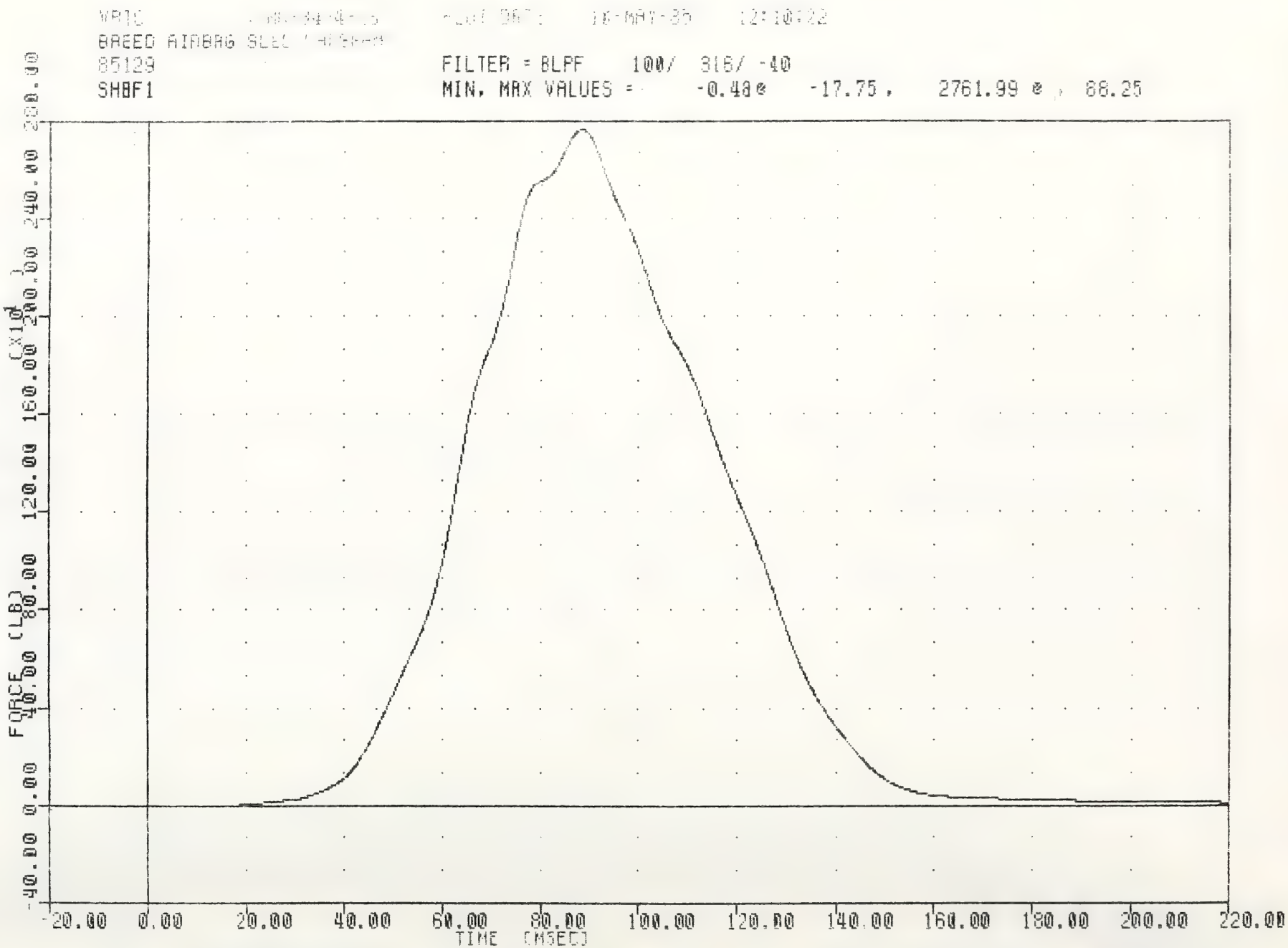


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

VATC , RD384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 300/ 949/ -40
LSTX61 MIN. MAX VALUES = -63.36 @ 89.63 , 3.03 @ 219.38



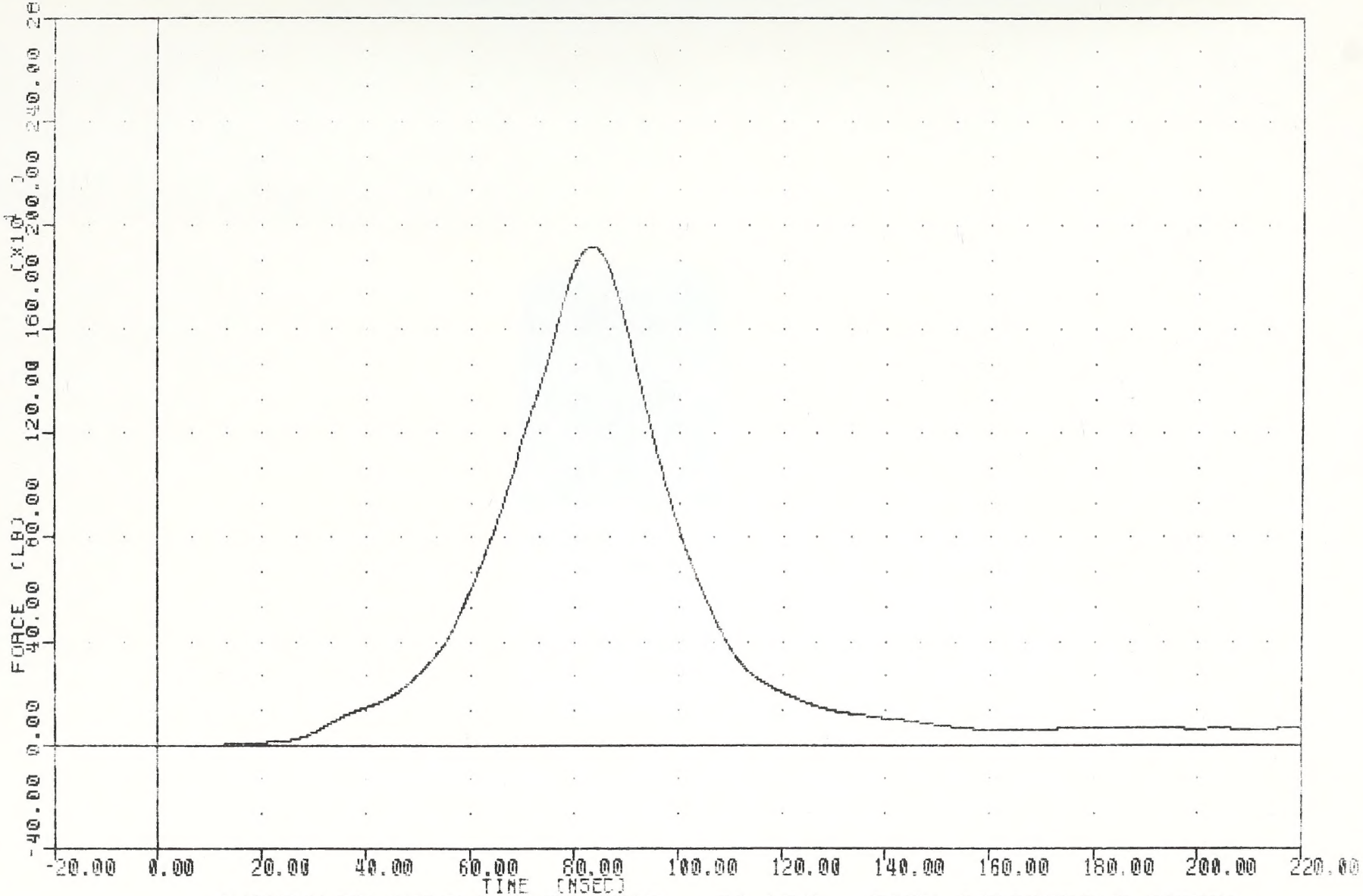
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
UPPER LOWER STERNUM ACCELERATION X AXIS



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DRIVER SHOULDER BELT FORCE LBS

VATC , RD384-4-28 PLOT DATE 10-MAY-85 12:10:22
BREED AIRBAG SLED PROGRAM
85129 FILTER = BLPF 100/ 316/ -40
LBOF1 MIN. MAX VALUES = -0.50 @ -18.50 @ 1917.47 @ 83.13



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

TL 242 .E875

Esser.

Breed air bag
program

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